Ontario. Science. 1976

ENVIRONMENTAL EDUCATION RESOURCE MATERIALS

52 Ont

OHEC
373.2360973
059DE/iE

NON-CIRCULATING

available from the Ontario Government

JUN 9 1977

Digitized by the Internet Archive
in 2025 with funding from
University of Toronto

https://archive.org/details/environmentaledu00onta

ENVIRONMENTAL EDUCATION RESOURCE MATERIALS

available from
the Ontario Government

Ministry of Agriculture and Food
Hon. William G. Newman
Minister

Ministry of Education
Hon. Thomas L. Wells
Minister

Ministry of the Environment
Hon. George A. Kerr, Q.C.
Minister

Ministry of Natural Resources
Hon. Leo Bernier
Minister

Compiled and printed under the direction
of the Interministerial Environmental
Education Committee, October, 1976.

CONTENTS:

Introduction		1
The Belgrade Charter		1
Resource Guide		2
How to Use This Resource Guide		2
Conditions of Loan of Films and Slide-Sets		4
Section A:	Print and Audio-Visual Materials Related to Environmental Education Classified by Topic	5
Section B:	Annotated Descriptions of Printed Materials on Environmental Education	14
Section C:	Annotated Descriptions of Audio-Visual Materials on Environmental Education	24
Section D:	Services and Materials Related to Environmental Education Available from Specific Ontario Government Ministries	32

INTRODUCTION

"There is no force greater than that of an idea whose time has come." These words, written by Victor Hugo, sum up the actions of the International Environmental Education Workshop at Belgrade, 13-22 October, 1975, when it laid down principles and established broad guidelines for the world-wide education of a generation which spans the earth. These guidelines embodied in a document now referred to in environmental parlance as the Belgrade Charter, although adopted unanimously at the conference as a global framework for environmental education, will no doubt be subject to the evolution of inevitable change and improvement over time.

The Belgrade Charter is comprised of six components as follows:

The Belgrade Charter

A Global Framework for Environmental Education

A. Environmental Situation

Our generation has witnessed unprecedented economic growth and technological progress which, while bringing benefits to many people, have also caused severe social and environmental consequences. Inequality between the poor and the rich among nations and within nations is growing and there is evidence of increasing deterioration of the physical environment in some forms on a world-wide scale. This condition, although primarily caused by a relatively small number of nations, affects all of humanity.

The recent United Nations Declaration for a New International Economic Order calls for a new concept of development—one which takes into account the satisfaction of the needs and wants of every citizen of the earth, of the pluralism of societies and of the balance and harmony between humanity and the environment. What is being called for is the eradication of the basic causes of poverty, hunger, illiteracy, pollution, exploitation and domination. The previous pattern of dealing with these crucial problems on a fragmentary basis is no longer workable.

It is absolutely vital that the world's citizens insist upon measures that will support the kind of economic growth which will not have harmful repercussions on people; that will not in any way diminish their environment and their living conditions. It is necessary to find ways to ensure that no nation should grow or develop at the expense of another nation and that the consumption of no individual should be increased at the expense of other individuals. The resources of the world should be developed in ways which will benefit all of humanity and provide the potential for raising the quality of life for everyone.

We need nothing short of a new global ethic—an ethic which espouses attitudes and behaviour for individuals and societies which are consonant with humanity's place within the biosphere; which recognizes and sensitively responds to the complex and ever-changing relationships between humanity and nature and between people. Significant changes must occur in all of the world's nations to assure the kind of rational development which will be guided by this new global ideal—changes which will be directed towards an equitable distribution of the world's resources and more fairly satisfy the needs of all peoples. This new kind of development will also require the maximum reduction in harmful effects on the environment, the utilization of waste materials for productive purposes, and the design of technologies which will enable such objectives to be achieved. Above all, it will demand the assurance of perpetual peace through coexistence and cooperation among nations with different social systems. Substantial resources for reallocation to meet human needs can be gained through restricting military budgets and reducing competition in the manufacture of arms. Disarmament should be the ultimate goal.

These new approaches to the development and improvement of the environment call for a reordering of national and regional priorities. Those policies aimed at maximizing economic output without regard to its consequences on society and on the resources available for improving the quality of life must be questioned. Before this changing of priorities can be achieved, millions of individuals will themselves need to adjust their own priorities and assume a personal and individualized global ethic—and reflect in all of their behaviour a commitment to the improvement of the quality of the environment and of life for the world's people.

The reform of educational processes and systems is central to the building of this new development ethic and world economic order. Governments and policy-makers can order changes, and new development approaches can begin to improve the world's condition—but all of these are no more than short-term solutions, unless the youth of the world receives a new kind of education. This will require new and productive relationships between students and teachers, between schools and communities, and between the education system and society at large.

Recommendation 96 of the Stockholm Conference on the Human Environment called for the development of environmental education as one of the most critical elements of an all-out attack on the world's environmental crisis. This new environmental education must be broad based and strongly related to the basic principles outlined in the United Nations Declaration on the New International Economic Order.

It is within this context that the foundations must be laid for a world-wide environmental education programme that will make it possible to develop new knowledge and skills, values and attitudes, in a drive towards a better quality of environment and, indeed, towards a higher quality of life for present and future generations living within that environment.

B. Environmental Goal

The goal of environmental action is:

To improve all ecological relationships, including the relationship of humanity with nature and people with each other.

There are, thus, two preliminary objectives:

1. For each nation, according to its culture, to clarify for itself the meaning of such basic concepts as "quality of life" and "human happiness" in the context of the total environment, with an extension of the clarification and appreciation to other cultures, beyond one's own national boundaries.

2. To identify which actions will ensure the preservation and improvement of humanity's potentials and develop social and individual well-being in harmony with the biophysical and man-made environment.

C. Environmental Education Goal

The goal of environmental education is:

To develop a world population that is aware of, and concerned about, the environment and its associated problems, and which has the knowledge, skills, attitudes, motivations and commitment to work individually and collectively toward solutions of current problems and the prevention of new ones.

D. Environmental Education Objectives

The objectives of environmental education are:

1. **Awareness**: to help individuals and social groups acquire an awareness of and sensitivity to the total environment and its allied problems.

2. **Knowledge**: to help individuals and social groups acquire basic understanding of the total environment, its associated problems and humanity's critically responsible presence and role in it.

3. **Attitude**: to help individuals and social groups acquire social values, strong feelings of concern for the environment and the motivation for actively participating in its protection and improvement.

4. **Skills**: to help individuals and social groups acquire the skills for solving environmental problems.

5. **Evaluation ability**: to help individuals and social groups evaluate environmental measures and education programmes in terms of ecological, political, economic, social, aesthetic and educational factors.

6. **Participation**: to help individuals and social groups develop a sense of responsibility and urgency regarding environmental problems to ensure appropriate action to solve those problems.

E. Audiences

The principal audience of environmental education is the general public. Within this global frame, the major categories are:

1. **The formal education sector**: including pre-school, primary, secondary and higher education students as well as teachers and environmental professionals in training and retraining;

2. **The non-formal education sector**: including youth and adults, individually or collectively, from all segments of the population, such as the family, workers, managers and decision-makers, in environmental as well as non-environmental fields.

F. Guiding Principles of Environmental Education Programmes

The guiding principles of environmental education are:

1. Environmental education should consider the environment in its totality—natural and man-made, ecological, political, economic, technological, social, legislative, cultural and aesthetic.

2. Environmental education should be a continuous lifelong process, both in-school and out-of-school.

3. Environmental education should be interdisciplinary in its approach.

4. Environmental education should emphasize active participation in preventing and solving environmental problems.

5. Environmental education should examine major environmental issues from a world point of view, while paying due regard to regional differences.

6. Environmental education should focus on current and future environmental situations.

7. Environmental education should examine all development and growth from an environmental perspective.

8. Environmental education should promote the value and necessity of local, national and international cooperation in the solution of environmental problems.

RESOURCE GUIDE

Statement of Purpose:

It is the purpose of this resource guide to bring together under one cover, a listing of materials (print and audio-visual) and services related to environmental education, available from various Ontario government ministries. These materials were selected from among a wide range of government publications and media resources because of their potential to provide information, to provide resource material and assistance in the educational process in both the formal education sector and the non-formal education sector.

The material has been gathered in response to felt needs expressed by teachers' groups and others to the Interministerial Environmental Education Committee (I.M.E.E.C.) established in 1974. The current membership of the committee is:

David Burton, Ministry of Health
Robert H. Goddard, Ministry of Education
Mrs. Garth Ketemer, Ministry of Agriculture and Food
Arthur D. Latornell, Ministry of Natural Resources
Lloyd H. Mayeda, Ministry of Natural Resources (Secretary)
Daniel G. Stoker, Ministry of the Environment (Vice-Chairman)
Jack G. Davis, Ministry of Education (Chairman).

Acknowledgement:

The committee wishes to acknowledge the contribution of the program, Experience '75, which enabled Lloyd H. Lumby, graduate student at York University, Man-Environment Faculty, to work on the detailed listings and annotations. We also wish to acknowledge the contributions of: Mrs. G. Ketemer, Ministry of Agriculture and Food, for some editorial assistance; Dan Stoker, Ministry of the Environment, for the cover design; Ministry of Natural Resources for underwriting the typesetting costs; and the Ministries of Agriculture and Food, Education, and Environment for underwriting portions of the printing costs.

Final Note:

It is intended that this resource guide will be revised and kept current on a periodic basis only if evaluative feedback (to the committee) from users and interested groups is supportive.

HOW TO USE THIS RESOURCE GUIDE

Organization:

The resources described in this guide have been organized into five major sections:

Introduction and rationale, and a section on How to Use the Guide;

A. Print and Audio-Visual Materials Related to Environmental Education Classified by Topic;

B. Annotated Descriptions of Printed Materials on Environmental Education;

C. Annotated Descriptions of Audio-Visual Materials on Environmental Education;

D. Services and Materials Related to Environmental Education Available from Specific Ontario Government Ministries.

How to Locate Material:

1. For all listed materials relating to a specific environmental topic or issue, refer to Section A where resources are so listed by topic or issue.

2. Once the title of a resource (printed material or audio-visual material) of potential interest has been located in Section A, refer to Section B or C for an annotated description of the resource and information on where it can be obtained.

3. For annotated descriptions of printed materials, refer to Section B where publications are listed in alphabetical order by title.

4. For annotated descriptions of audio-visual materials, refer to Section C, where films and slide-sets are listed in alphabetical order by title.

5. For a general description of the kinds of materials and services relating to environmental education, available from specific ministries of the Ontario Government, refer to Section D.

How to Order Materials Listed in the Guide:

1. **Films:** To borrow films or slide-sets see information at the end of this section.

2. **Printed Material:** Order all material by letter to the issuing Ministry or the Publications Centre. Individual listings of material are followed by an unofficial abbreviated letter code, indicating the source Ministry. The following is a key to the coding system.

GB . . . . Ontario Government Bookstore,
880 Bay Street,
Toronto, Ontario.
M7A 1N8

Note: Bookstore sales are by Personal shopping only. Mail Orders should be sent to: The Publications Centre
Ministry of Government Services
3B-7 Macdonald Block
Queen's Park
Toronto, Ontario
M7A 1N8

MAF . . . . Information Branch,
Ministry of Agriculture and Food,
Parliament Buildings,
Toronto, Ontario.
M7A 1A5

Note: Publications may also be obtained from local county or district offices of the Ministry of Agriculture and Food. Quantity orders for schools are "for sale only". Teachers may obtain free single copies of a limited number of publications.

MCSS . . . . Ministry of Community and Social Services,
Communications Branch,
7th Floor, Hepburn Block,
Queen's Park,
Toronto, Ontario.
M7A 1E9

MCR . . . . Ministry of Culture and Recreation,
Legislative Building,
Queen's Park,
Toronto, Ontario.
M7A 1A2

MED . . . . Ministry of Education,
Mowat Block,
900 Bay Street,
Toronto, Ontario.
M7A 1L2

MEN . . . . Ministry of Energy,
Information Services,
12th Floor, Sunoco Building,
56 Wellesley Street West,
Toronto, Ontario.
M7A 2B7

MOE . . . . Ministry of the Environment,
Communications Branch
8th Floor,
135 St. Clair Avenue West,
Toronto, Ontario.
M4V 1P5

MHE . . . . Ministry of Health,
Information Services,
9th Floor, Hepburn Block,
80 Grosvenor Street,
Toronto, Ontario.
M7A 1S2

MHO . . . . Ministry of Housing,
Information Services Branch,
13th Floor,
101 Bloor Street West,
Toronto, Ontario.
M7A 2N5

MIT . . . . Ministry of Industry and Tourism,
Hearst Block, 10th Floor,
900 Bay Street,
Toronto, Ontario.
M7A 2E1

MNR . . . . Ministry of Natural Resources,
Information Branch,
5th Floor, Whitney Block,
99 Wellesley Street West,
Toronto, Ontario.
M7A 1W3

MTC . . . . Ministry of Transportation and Communications,
Audio-Visual Services,
1st Floor, Whitney Block,
99 Wellesley Street West,
Toronto, Ontario.
M3M 1J8

MTEIA . . . . Ministry of Treasury, Economics and Intergovernmental Affairs,
Information Services,
5th Floor, Frost Building South,
Queen's Park,
Toronto, Ontario.
M7A 1Y7
Attention: Ms. Jean Smith

OH . . . . Ontario Hydro,
Public Relations Division,
620 University Avenue,
Toronto, Ontario.
M5G 1X6

3. Printed material from government ministries is free of charge unless otherwise noted. However, there may be a charge for bulk orders. Check with the supplier. If there is a charge, cheques or money orders should be made payable to the "Treasurer of Ontario".

4. When ordering material, kindly print your NAME and RETURN ADDRESS clearly. Order material by TITLE, and ORDER NUMBER where one is listed.

5. Please consider your needs carefully. Order only those publications which are actually needed and useful. Kindly REVIEW the material before ordering large quantities.

6. Kindly order as far ahead as possible to ensure the desired delivery date.

7. Copies of most provincial acts and regulations are available free of charge from the issuing Ministry. A printing cost recovery charge is levied if purchase is made at the Ontario Government Bookstore or by mail order to the Publications Centre.

How to Use Printed Material:

1. Most of the material available from the Province of Ontario is not primarily designed for classroom use, although some of it may prove useful.

2. Kindly practise principles of wise use. Order only those publications which are actually needed and useful. Review the document before ordering class copies. Where practical, have two or three students SHARE one copy.

3. When finished with the material, pass it on to other teachers, both inside and outside of your own school, or place it in the resource centre of your library.

CONDITIONS OF LOAN OF FILMS AND SLIDE-SETS

General Conditions

1. No more than three films and/or slide sets may be loaned to any one teacher at a time.

2. All shipments of films are forwarded to the borrower by parcel post and can be returned either express prepaid or by insured parcel post.

3. The loan of audio-visual materials is restricted to the Province of Ontario.

4. Requests for films should be made as far in advance as possible as copies are limited in many cases.

5. There is no rental charge for any of the materials. No person or organization may use these films or slide sets for a showing to which admission is charged.

6. Materials cannot be transferred to another user without first being returned to the respective Ministry or supplier, unless prior arrangements for transshipment have been made.

7. Audio-visual material should be returned promptly after viewing as others are waiting to use it.

How to Order Audio-Visual Materials:

1. The films and slide sets in this guide are available from the respective Ministries of the Ontario Government directly, or through their suppliers. The following letter codes follow the description of the audio-visual material, indicating the source.

MAF .... Film Library,
Information Branch,
Ministry of Agriculture and Food,
Guelph, Ontario.
N1G 2W1
Telephone: (519) 824-4120

MNR .... Film Library,
Information Branch,
Ministry of Natural Resources,
5th floor, Whitney Block,
99 Wellesley Street West,
Toronto, Ontario.
M7A 1W3
Telephone: (416) 965-2758

MIT .... Audio Visual Branch,
Ministry of Industry and Tourism,
10th floor, Hearst Block,
900 Bay Street,
Toronto, Ontario.
M7A 1S6
Telephone: (416) 965-5411

MTEIA .... Office of Information Services,
Ministry of Treasury, Economics
and Intergovernmental Affairs,
Fifth floor, Frost Building South,
Queen's Park
Toronto, Ontario.
M7A 1Y7
Attention: Ms. Jean Smith
Telephone: (416) 965-7171

MHO .... (Ministry of Housing films available from:)
Logan Brown Communications,
56 The Esplanade, Suite 504,
Toronto, Ontario.
M5E 1A7
Telephone: (416) 363-6001

MOE .... (Ministry of the Environment films available from:)
Modern Talking Picture Service,
1943 Leslie Street,
Don Mills, Ontario.
M3B 2M6
Telephone: (416) 444-7347

MCSS .... (Ministry of Community & Social Services films available from:)
Modern Talking Picture Service,
1943 Leslie Street,
Don Mills, Ontario.
M3B 2M6
Telephone: (416) 444-7347

2. Requests for materials should include alternate choices if substitution is possible.

3. Requests for materials should be made as far in advance as possible, as copies are limited in many cases.

4. Be sure to include your full name and return address.

How to Return Audio-Visual Material:

1. If the film is DAMAGED while in your possession, a note to this effect should be included with the returned film.

2. Films should be rewound after showing, unless otherwise stated.

3. All films should be returned in the proper container.

4. All material should be returned by prepaid express or insured parcel post.

Other Sources of Audio-Visual Material:

Many public and private organizations distribute excellent films on environmental matters. Therefore, in addition to this resource guide, check with local libraries, your Board of Education, commercial film distributors, National Film Board offices, and educational film libraries.

SECTION A

PRINT AND AUDIO-VISUAL MATERIALS RELATED TO ENVIRONMENTAL EDUCATION CLASSIFIED BY TOPIC

Key to educational divisions
P-primary (JrK-3),
J-junior (4-6),
I-intermediate (7-10),
S-senior (11-i3).

Listing of Topics or Environmental Issues:

Activities/Excursions/Field Studies
Agriculture
Air Pollution
Attitudes/Values
Bees & Bookkeeping
Birds
Birth Control (see Population Studies)
Conservation/Recycling
Crops
Earth Science (See Geology)
Ecological Studies
Energy/Nuclear Energy
Excursions (See Activities)
Field Studies (See Activities)
Fish & Fishing
Forests and Forestry
Geology & Mining
Health/Safety
Housing
Information (See Publications)
Insects and Insecticides
Land Use
Lead
Lifestyles
Liquid Wastes
Mining (See Geology)
Noise Pollution
Nuclear Energy (See Energy)
Pests and Pesticides (See Insects and Insecticides)
Planning
Plants
Pollution
Population Studies
Publications/Information
Recycling (See Conservation)
Reptiles
Safety (See Health)
Sewage Treatment
Soils
Solid Wastes
Transportation
Trees
Urban Studies (See Planning)
Waste Disposal
Water and Water Pollution
Wildlife

ACTIVITIES/EXCURSIONS/FIELD STUDIES

PRINT MATERIALS (Activities):

Division	Title
I-S	Algonquin Provincial Park Canoe Routes (MNR)
I-S	Backyard Habitat (MNR)
All	Beekeeping in Ontario (MAF)
I-S	Better Streams for More Trout (MNR)
J-I	Care & Planting of Forest Trees (MNR)
All	Conservation Areas in Ontario (MNR)
I-S	Farm Ponds (MAF)
I-S	Geological Guide to Cyprus Lake Provincial Park (MNR)
I-S	Geological Guide to Highway 60 Algonquin Park (MNR)
P-J	Get in the Swim (MHE)
I-S	Guide to Robert H. Saunders–St. Lawrence Generating Station (OH)
J-I-S	Ontario Mine Tours (MNR)
I-S	Outlines of Analytical Methods (GB)
J-I	Planning a Field Trip (OH)
I-S	Visit Pickering (OH)
J-I-S	Where to Find Cottontail Rabbits in Ontario (MNR)
J-I-S	Where to Find Red-Tailed Hawks in Ontario (MNR)
J-I-S	Where to Find Woodcock in Ontario (MNR)
I-S	Wildlife Land Management for Ontario Landowners (MNR)
J-I-S	Wildlife Management Areas in Ontario (MNR)

AUDIO-VISUAL MATERIALS (Activities):

Division	Title
J-I	Birds That Live Near People (MAF)
J-I-S	Sounds of Nature (MNR)

AGRICULTURE
(See also "Crops", "Plants", "Soils")

PRINT MATERIALS (Agriculture):

Division	Title
I-S	Chemical Organic Fertilizer (MAF)
I-S	Common Pests of Ornamental Trees and Shrubs (MNR)
I-S	Land Requirements for Utilization of Liquid Manure in Crop Production (MAF)
I-S	Lead Poisoning in Cattle (MAF)
I-S	Renewing Nature's Wealth (MNR)
I-S	Sugar Bush Management for Maple Syrup Producers (MNR)

AUDIO-VISUAL MATERIALS (Agriculture);

Division	Title
I	Agricultural Science Protects Our Environment (MAF)
I-S	Agricultural Waste Management (MAF)
I-S	Agriculture and the Changing Environment (MAF)
I-S	Agriculture and the Environment (MAF)
I-S	Chemical Conquest (MAF)
I-S	Garbage Composting (MAF)
I-S	Garbage Fertilizer (MAF)
I-S	Land in Jeopardy (MAF)
I-S	Land Use–Huron County (MAF)
J-I	Maple Syrup Makers (MAF)
I-S	Norman Bourlaug–Revolutionary (MAF)
J-I	Ontario Maple Syrup (MAF)

AIR POLLUTION

PRINT MATERIALS (Air Pollution):

Division	Title
I-S	About Air Pollution (GB)
S	About Auto Emissions (GB)
I-S	About Open Burning (GB)
I-S	Air Pollution and Horticultural Crops (MAF)
I-S	An Introduction to Air Pollution in Ontario (MOE)
S	Report on Pollution of Air, Soil, and Water in the Townships of Dunn, Moulton, and Sherbrooke, Haldimand County (GB)
I-S	Save Your Breath: Emphysema and Chronic Bronchitis (MHE)
I-S	Studies of the Relationship of Environmental Lead Levels & Human Lead Intake (GB)
S	Survey of Dust-Radiation-Diesel Exhaust in Uranium Mines & Mills at Elliot Lake, Ontario (GB)
S	Visible Emissions Identification (GB)

AUDIO-VISUAL MATERIALS (Air Pollution):

Division	Title
I	Agricultural Science Protects Our Environment (MAF)
I-S	Air Pollution: Cause & Effects on New York State Plants (MAF)
S	Effects of Air Pollution on Plant Life (MAF)
I-S	Environment Ontario (MOE)
J	What's Happening to Our Planet? (MOE)
I-S	Women in the Environment (MOE)

ATTITUDES/VALUES

AUDIO-VISUAL MATERIALS (Attitudes):

Division	Title
I-S	Multiply & Subdue the Earth (MNR)

BEES & BEEKEEPING

PRINT MATERIALS (Bees & Beekeeping):

Division	Title
J-I-S	Beekeeping–General Information (MAF)
All	Beekeeping in Ontario (MAF)
All	Caring for Bees in Schools (MAF)
J-I-S	Feeding Honeybees (MAF)

AUDIO-VISUAL MATERIALS (Bees & Beekeeping)

Division	Title
P-J	Honeybee (MAF)
P	Taste of Honey (MAF)

BIRDS

PRINT MATERIALS (Birds):

Division	Title
I	Birds of Algonquin Provincial Park (MNR)
I-S	Reducing Bird Damage in Fruit and Vegetable Crops (MAF)
J-I-S	The Ruffed Grouse in Ontario (MNR)

AUDIO-VISUAL MATERIALS (Birds):

Division	Title
P-J	Bird Neighbours (MNR)
All	Birds of Canada III (MNR)
All	Birds of Canada IV (MNR)
All	Birds of Canada V (MNR)
All	Birds of Canada VI (MNR)
J-I	Birds That Live Near People (MAF)
J-I-S	Black Duck (MNR)
J-I-S	Boreal Forest (MNR)
All	Canada Goose (MNR)
P-J-I	Creatures of the Forest (MNR)
P-J	Fly Geese Fly (MIT)
J-I-S	Land of the Loon (MNR)
P-J	Life in a Garden (MAF)
J-I	Patterns of the Wild (MAF)
J-I-S	The Prairie Chicken in Missouri (MNR)
J-I	Shore and Water Birds (MNR)
J-I-S	So Little Time (MNR)
P-J	Summer Birds (MAF)
I-S	This is the Mallard (MNR)
All	Whitethroat (MIT) (MNR)
All	Wildfowl in Slow Motion (MNR)
J-I	Wings of the Wild (MNR)
J-I	World in a Marsh (MAF) (MNR)

BIRTH CONTROL (See "Population Studies")

CONSERVATION/RECYCLING

PRINT MATERIALS (Conservation):

Division	Title
J-I-S	About Resource Recovery (GB)
All	About Waste: What Can One Family Do? (MOE)
I-S	Backyard Habitat (MNR)
I-S	Conservenergy Quiz (MHO)
All	Conservation Areas in Ontario (MNR)
I-S	Efficiency in Energy Use (MHO)
I-S	Energy–Concerns of the 70's (MHO)
I-S	The Game & Fish Act and The Endangered Species Act (MNR)
I-S	Insulating Your Home (OH)
S	Municipal Waste Disposal: Problem or Opportunity (GB)

I-S	Ontario Fishery Regulations (MNR)
I-S	Ontario Submission to the Ontario Advisory Committee on Energy (OH)
I-S	Renewing Nature's Wealth (MNR)
S	Resource Recovery Centre (Two Volumes) (GB)
I-S	Shrubs for Wildlife (MNR)
I-S	Summer Cooling (MHO)
I-S	Wildlife Land Management for Ontario Landowners (MNR)
S	Wildlife Management Areas in Ontario (MNR)
I-S	The Wise Use of Electricity (OH)

AUDIO-VISUAL MATERIALS (Conservation):

Division	Title
I-S	Agriculture and the Changing Environment (MAF)
I-S	Agriculture and the Environment (MAF)
J-I	Conservation of Natural Resources (MNR)
J-I	Forest Conservation (MNR)
I-S	Garbage Composting (MAF)
I-S	Grass Roots in the Soil (MAF)
J-I	How Long Will it Last (MAF)
J-I	How Man Conserves Soil (MAF)
J-I	How Man Has Used the Soil (MAF)
J-I-S	One Spring Day (MNR)
J-I-S	Our Changing Shores (MNR)
J-I-S	The Prairie Chicken in Missouri (MNR)
I-S	Problems of Soil Conservation (MAF)
I-S	Rye on the Rocks (MNR)
I-S	Seeds of Destruction (MAF)
J-I	Soil for Tomorrow (MNR)
J-I-S	Sounds of Nature (MNR)
J-I	This Vital Earth (MAF)
J-I	Trees and Their Importance (MNR)
J	Understanding Our Earth (MNR)
I-S	Washout (MAF)
J-I	The World at Your Feet (MNR)
J-I-S	Yours is the Land (MNR)

CROPS (DAMAGE TO)
(See also "Agriculture", "Plants", "Insects")

PRINT MATERIALS (Crops):

Division	Title
I-S	Air Pollution and Horticultural Crops (MAF)
I-S	Armyworm (MAF)
I-S	Cereal Fungus Disease (MAF)
I-S	Cereal Virus Disease (MAF)
I-S	Common Pests of Ornamental Trees & Shrubs (MNR)
I-S	Leaf Diseases of Field Corn (MAF)
I-S	Northern Corn Rootworm (MAF)
I-S	Oat Nematode in Ontario (MAF)
I-S	Potato Stem Borer in Field Corn (MAF)
I-S	Reducing Bird Damage in Fruit & Vegetable Crops (MAF)
I-S	Root-Lesion Nematode in Ontario Orchards (MAF)

AUDIO-VISUAL MATERIALS (Crops):

Division	Title
I-S	Air Pollution: Cause & Effects on New York State Plants (MAF)
I-S	Chemical Conquest (MAF)
S	Effects of Air Pollution on Plant Life (MAF)
S	Integrated Control of Orchard Insects (MAF)

EARTH SCIENCE (See "Geology")

ECOLOGICAL STUDIES

PRINT MATERIALS (Ecological Studies):

Division	Title
J-I-S	The Beaver in Ontario (MNR)
I-S	The Ecology of the Timber Wolf (MNR)
I-S	Environment Ontario (newspaper) (MOE)
J-I-S	The Moose in Ontario (MNR)
J-I-S	The Ruffed Grouse in Ontario (MNR)
J-I-S	The White-Tailed Deer in Ontario (MNR)
J-I-S	Wolves and Coyotes in Ontario (MNR)

AUDIO-VISUAL MATERIALS (Ecological Studies):

Division	Title
J-I-S	Big Four—Outdoor Heritage (MNR)
J-I-S	Boreal Forest (MNR)
I-S	The Changing Forest (MAF) (MNR)
I-S	Conservation & Balance in Nature (MAF) (MNR)
J-I	The Forest Grows (MNR)
J-I-S	The Forest: Of Trees and Logs (MNR)
P-J	Life in a Garden (MAF)
J-I-S	The Marsh Community (MNR)
J-I	Nature's Half Acre (MNR)
S	Pesticides in Focus (MAF)
J-I-S	The Pond (MNR)
P-J	The Seasons (MAF)
I-S	Seeds of Destruction (MAF)
J-I-S	So Little Time (MNR)
J-I-S	The Spruce Bog (MNR)
J-I-S	They Live By Water (MNR)
P-J	The Tree (MNR)
J-I	Wings of the Wild (MNR)
P-J	Wonders in a Country Stream (MNR)
J-I	World in a Marsh (MAF) (MNR)

GB - Govt Bookstore

P - primary JK - 3
J - junior (4-6)
I - intermed (7-10)
S - senior (11-13)

*ENERGY/NUCLEAR ENERGY

PRINT MATERIALS (Energy):

Division	Title
S	Bruce Generating Station "A" (OH)
I-S	Bruce Nuclear Power Development (OH) (GB)
I-S	Candu: Variations of a Nuclear Theme (OH)
I-S	Conserve Hot Water (OH)
I-S	Conservenergy Quiz (OH)
I-S	Efficiency in Energy Use (OH)
I-S	Energy—Concerns of the 70's (OH)
S	Energy Consumption By Ontario Manufacturing Industries (MTEIA) (GB)
I-S	Energy in Ontario: Economic Background (MTEIA)

Treasury, Economics & Inter-governmental Affairs.

I-S Energy in Ontario: The Outlook and Policy Implications Vol. II (GB)

S Energy Policy & Pricing (Statement Made by the Honourable William G. Davis at the Federal-Provincial Conference of First Ministers, April 9th & 10th, 1975) (MTEIA)

S An Environmental Study (Abstract) to Select Hydro Transmission Corridors for the Solandt Commission (OH) (GB)

S Federal-Provincial Conference of First Ministers, April 9th & 10th, 1975. A News Release on Pricing and Conserving Oil & Natural Gas (MTEIA)

S Federal-Provincial Conference of First Ministers, April 9th & 10th, 1975. Ontario Paper on the Direct Impact of Higher Oil & Gas Prices on Ontario Householders & Business (MTEIA)

S Federal-Provincial Conference of First Minsiters, April 9th & 10th, 1975. Ontario Paper on the Economic Impact on Ontario of 1974 Oil & Gas Price Increases (MTEIA)

I-S The Gifts of Nature (OH) (GB)

I-S Guide to Robert H. Saunders–St. Lawrence Generating Station (OH)

J-I Hydro in the Northwest (OH)

S Hydro in Ontario: A Future Role and Place (OH) (GB)

I-S Insulating Your Home (OH)

All It's Been a Good Day (OH)

I-S Kakabeka Falls (OH)

I-S Kilowatts From Steam (GB)

I-S Lakeview Generating Station (OH)

I-S Lambton Generating Station (OH)

I-S Lennox Generating Station (OH) (GB)

S Long-Range Planning of the Electrical Power System (GB)

I-S Ministry of Housing News Release, April 15, 1975, (Solar Energy) (MHO)

I-S Nanticoke (OH)

S Nanticoke: A Preoperational Report (OH)

I-S Niagara: River of Power (OH)

I-S Nipigon River Generating Stations (OH)

S Nuclear Power in Ontario (OH) (GB)

I-S Oil & Gas in Ontario: Yesterday–Today–Tomorrow (MNR)

S Ontario Background Papers: Federal-Provincial Conference of First Ministers on Energy (MTEIA)

S Ontario Hydro Environmental Report: Power Supply to Prince Edward County (OH) (GB)

S Ontario Hydro 500KV Transmission Right of Way, Bradley–Georgetown (OH) (GB)

S Ontario Hydro 500KV Transmission Line Right of Way, Lennox–Oshawa: Environmental Study Summary Report (OH) (GB)

I-S Ontario Submission to the Ontario Advisory Committee on Energy (OH)

I-S Pickering Generating Station–booklet (OH)

I-S Pickering Generating Station–pamphlet (OH)

S Pickering Generating Station Data (OH)

J-I Planning a Field Trip (OH)

I-S Power From Niagara (OH)

I-S Power From the Ottawa River (OH)

I-S Rivers of Power: The Ottawa-Madawaska System (OH)

I-S Summer Cooling (OH)

I-S Systems Control Centre (OH)

S Underground High-Voltage Transmission (OH)

I-S Visit Pickering (OH)

I-S Who Needs More Electricity? (OH)

I-S The Wise Use of Electricity (OH)

AUDIO-VISUAL MATERIALS (Energy):

Division Title

S Atomic Energy in Canada (MNR)

I-S Nuclear Power Demonstration (MNR)

EXCURSIONS (See "Activities")

FIELD STUDIES (See "Activities")

FISH & FISHING

PRINT MATERIALS (Fish & Fishing):

Division Title

I-S The Fisheries of Lake Simcoe (MNR)

I-S The Fisheries of Lake of the Woods (MNR)

I-S Fishes of Ontario (MNR)

I-S Fishing in Algonquin Provincial Park (MNR)

S Fishing 1976 (MNR)

I-S The Game & Fish Act and The Endangered Species Act (MNR)

S Guidelines and Criteria for Water Quality in Ontario (MOE)

I-S Ontario Angling: Facts and Figures (MNR)

I-S Ontario Fishery Regulations (MNR)

I-S Out of the Water: Ontario's Freshwater Fish Industry (MNR)

S Outlines of Analytical Methods (GB)

I-S Rainbow Trout in the Great Lakes (MNR)

I-S Trout and Salmon Migratory Routes–Southern Ontario Streams (MNR)

AUDIO-VISUAL MATERIALS (Fish & Fishing):

Division Title

I-S The Aquatic Ecologist (MNR)

I-S Headwaters (MNR)

FORESTS & FORESTRY (See also "Trees")

PRINT MATERIALS (Forests & Forestry):

Division Title

J-I Care & Planting of Forest Trees (MNR)

I-S Conflicts in Forest Management (MNR)

I-S Conservation Activities (MNR)

I-S Forest Fire Control in Ontario (MNR)

S The Forest Resources of Ontario (MNR) (GB)

I-S The Forest Trees of Ontario (MNR) (GB)

I-S Improved Seed for Future Forests (MNR)

I-S Lumber in Ontario (MNR)

I-S Out of the Woods (MNR)

J-I Producing Maple Syrup (MAF)

I-S Renewing the Forest (MNR)

I Resource Management Series: Forestry (MNR) (GB)

I-S Shrubs for Wildlife (MNR)

I The Timber Trade (MNR)

J-I Tree Information (General) (MNR)

AUDIO-VISUAL MATERIALS (Forests & Forestry):

Division	Title
J-I	Changing Maple Country (MAF) (MNR)
J-I-S	Forest Regions of Canada (MNR)
J-I-S	Forests for the Future (MNR)
I-S	Forests Forever (MAF) (MNR)

GEOLOGY & MINING

PRINT MATERIALS (Geology & Mining):

Division	Title
I-S	Geological Educational Notes (MNR)
I-S	Geological Guide to Cyprus Lake Provincial Park (MNR)
I-S	Geological Guide to Highway 60 Algonquin Park (MNR) (GB)
I-S	Geology & Scenery Handbooks (MNR) (GB)
I-S	A Hardrock Mining Operation (MNR)
I-S	Mineral Factsheets (MNR)
S	The Mining Act (MNR)
J-I-S	Ontario Mine Tours (MNR)
S	Pit and Quarries Control Act (MNR)
J-I-S	Rocks and Minerals Information (MNR) (GB)
J-I-S	Rocks and Minerals of Ontario (MNR) (GB)

AUDIO-VISUAL MATERIALS (Geology & Mining):

Division	Title
I-S	Riches of the Earth (MNR)
I-S	The Rise & Fall of the Great Lakes (MAF) (MNR)
J-I	Time and Terrain (MNR)

HEALTH/SAFETY

PRINT MATERIALS (Health):

Division	Title
I-S	About Pesticides (GB)
I-S	Cancer: It's Being Tamed (MHE)
I-S	Effect on Human Health of Lead from the Environment (GB)
P-J	Get in the Swim (MHE)
S	Guidelines and Criteria for Water Quality in Ontario (MOE)
All	It's Been a Good Day (OH)
I-S	Quitting—A Mind Game (MHE)
I-S	A Report on the Use of DDT in the Province of Ontario (GB)
I-S	Save Your Breath: Emphysema and Chronic Bronchitis (MHE)
I-S	Smokers Self-Testing Kit (MHE)
J-I-S	Some Sober Facts About Drinking (MHE)
I-S	Studies of the Relationship of Environmental Lead Levels and Human Lead Intake (GB)
S	Survey of Dust-Radiation-Diesel Exhaust in Uranium Mines and Mills at Elliot Lake, Ontario (GB)
I-S	Water Quality Guidelines for Bathing Beaches (MHE)

AUDIO-VISUAL MATERIALS (Health):

Division	Title
P-J	Danger Poison (MAF)
I-S	Foods: Fads or Facts (MAF)
I-S	Pesticides and Their Safe Use in and Around the Home (MAF)
I-S	Poisons, Pests & People (MAF) (MNR)
I-S	Radiation (MAF)
I-S	The Sound of Sound (MAF)
S	A Way Out (MCSS)

HOUSING (See also "Planning")

PRINT MATERIALS (Housing):

Division	Title
S	Community Sponsored Housing (MHO)
S	Housing for Senior Citizens (MHO)
I-S	Lot Lease Program (MHO)
I-S	Ministry of Housing News Release—April 15, 1975. (Solar Energy) (MHO)
S	Ministry of Housing Policies and Programs (MHO)
S	The North Pickering Project: A New Community (Planning Kit) (MTEIA) (GB)

AUDIO-VISUAL MATERIALS (Housing):

Division	Title
S	Brighter Tomorrows (MHO)
S	Building to a Different Drummer (MHO)
S	In Search of Solutions (MHO)
S	Suburban Living Six Solutions (MAF)

INFORMATION (See "Publications")

INSECTS AND INSECTICIDES (See also "Bees")

PRINT MATERIALS (Insects and Insecticides):

Division	Title
I-S	About Pesticides and the Environment (GB)
I-S	Armyworm (MAF)
I-S	Common Pests of Ornamental Trees and Shrubs (MNR)
I-S	Corn Leaf Aphid (MAF)
I-S	Environment Ontario (MOE)
S	Mosquitoes and Black Flies (GB)
I-S	Northern Corn Rootworm (MAF)
I-S	"Pests" (MNR)
I-S	Potato Stem Borer in Field Corn (MAF)
I-S	A Report on the Use of DDT in the Province of Ontario (GB)

AUDIO-VISUAL MATERIALS (Insects and Insecticides):

Division	Title
I	Agricultural Science Protects Our Environment (MAF)
I-S	American Elm for Beauty or Beetles (MAF)
J-I-S	Boreal Forest (MNR)

I-S Chemical Conquest (MAF)
I-S Environment Ontario (MOE)
I-S Forest Tent Caterpillar (MAF) (MNR)
S The Insect War (MAF)
S Integrated Control of Orchard Insects (MAF)
P-J Life in a Garden (MAF)
I-S Norman Bourlaug–Revolutionary (MAF)
I-S Pesticides and Their Safe Use in and Around the Home (MAF)
S Pesticides in Focus (MAF)
I-S Poisons, Pests & People (MAF) (MNR)
I-S Virus Control of Insect Pests (MAF)
J-I Wings of the Wild (MNR)
J-I World in a Marsh (MAF) (MNR)

LAND USE (See also "Planning")

PRINT MATERIALS (Land Use):

Division Title

S Algonquin Story (MNR)
I-S Conflicts in Forest Management (MNR)
S Ontario Hydro Environmental Report: Power Supply to Prince Edward County (OH) (GB)
S Ontario Hydro 500KV Transmission Right of Way, Bradley–Georgetown (OH) (GB)
S Ontario Hydro 500KV Transmission Line Right of Way, Lennox–Oshawa: Environmental Study Summary Report (OH) (GB)
S Parkland for People (MHO)
I-S Renewing Nature's Wealth (MNR)
S Women in the Environment (MOE)

AUDIO-VISUAL MATERIALS (Land Use):

Division Title

I-S Agriculture and the Environment (MAF)
I-S The Changing Resource (Kit and Film–available for purchase at the Ontario Institute for Studies in Education)
I-S The City: Cars or People (MTEIA)
I-S Land in Jeopardy (MAF)
I-S Land Use–Huron County (MAF)
I-S Multiply & Subdue the Earth (MNR)
I-S Rye on the Rocks (MNR)
J-I Soil for Tomorrow (MNR)
S Suburban Living–Six Solutions (MAF)

LEAD

PRINT MATERIALS (Lead):

Division Title

I-S Effect on Human Health of Lead From the Environment (GB)
I-S Lead Poisoning in Cattle (MAF)
I-S Studies of the Relationship of Environmental Lead Levels and Human Lead Intake (GB)

LIFESTYLES

PRINT MATERIALS (Lifestyles):

Division Title

I-S About Cottage Pollution (GB)
All About Waste: What Can One Family Do? (MOE)
P-J Litter Bits & Pieces (a newspaper) (MOE)

AUDIO-VISUAL MATERIALS (Lifestyles):

Division Title

I-S Black Creek Pioneer Village (MAF) (MIT)
I-S The Longhouse People (MNR)
I-S Our Changing Family Life (MAF)
I-S Pioneer Life: The Home (MIT)
I-S Pioneer Village (MIT)
S Suburban Living–Six Solutions (MAF)
S A Way Out (MCSS)
J What's Happening to Our Planet? (MOE)

LIQUID WASTES (See also "Water", "Sewage Treatment")

PRINT MATERIALS (Liquid Wastes):

Division Title

I-S Control of Industrial Wastes in Municipalities (GB)
I-S Land Requirements for Utilization of Liquid Manure in Crop Production (MAF)

AUDIO-VISUAL MATERIALS (Liquid Wastes):

Division Title

I-S Agricultural Waste Management (MAF)
I-S Garbage Composting (MAF)
I-S Garbage Fertilizer (MAF)

MINING (See "Geology")

NOISE POLLUTION

PRINT MATERIALS (Noise Pollution):

Division Title

S Acoustic Technology Course (MOE) (GB)
I-S Environment Ontario (a newspaper) (MOE)
P-J Litter Bits & Pieces (a newspaper) (MOE)

AUDIO-VISUAL MATERIALS (Noise Pollution):

Division Title

I-S Environment Ontario (MOE)
I-S Hear, It Takes Two (MAF)
I-S Noise Control in the Province of Ontario (Kit) (MOE)
I-S The Sound of Sound (MAF)
I-S Women in the Environment (MOE)

NUCLEAR ENERGY (See "Energy")

PESTS & PESTICIDES (See "Insects and Insecticides")

PLANNING (See also "Housing," "Land Use")

PRINT MATERIALS (Planning):

Division	Title
S	Algonquin Story (MNR)
S	Central Ontario Lakeshore Urban Complex (MTEIA) (GB)
S	Development Planning in Ontario (MTEIA)
I-S	Environmental Action Plan (GB)
S	Housing for Senior Citizens (MHO)
S	A Lakeshore Study of Haldimand and Norfolk Counties (MTEIA) (GB)
S	Long-Range Planning of the Electrical Power System (GB)
S	The Niagara Escarpment (MTEIA) (GB)
S	The Niagara Escarpment, Government Policy (MTEIA) (GB)
S	North Pickering Guidelines (MTEIA) (GB)
S	The North Pickering Project: A New Community (Brochure) (MHO)
S	The North Pickering Project: A New Community (Planning Kit) (MHO)
S	Parkland for People (MHO)
S	The Parkway Belt: West (Government Policy) (MTEIA) (GB)
S	The Parkway Belt: West (Pamphlet) (MTEIA) (GB)
S	Prospects for the Eastern Ontario Region: Design for Development (MTEIA)
S	Prospects for the Georgian Bay Region: Design for Development (MTEIA)
S	Prospects for the Lake Erie Region: Design for Development (MTEIA)
S	Prospects for the Lake Ontario Region: Design for Development (MTEIA)
S	Prospects for the St. Clair Region: Design for Development (MTEIA)
S	To Save the Escarpment (MTEIA) (GB)
S	Urban Renewal: Alexander Park, Toronto (MHO)
S	Wasaga Recreational Community (MTEIA) (GB)

AUDIO-VISUAL MATERIAL (Planning):

Division	Title
S	Brighter Tomorrows (MHO)
S	Building to a Different Drummer (MHO)
I-S	The Changing Resource (Kit and film–available for purchase at the Ontario Institute for Studies in Education)
I-S	The City: Cars or People (MTEIA)
I-S	Lands in Jeopardy (MAF)
I-S	Land Use–Huron County (MAF)

PLANTS (See also "Crops")

PRINT MATERIALS (Plants):

Division	Title
I-S	Common Pests of Onramental Trees and Shrubs (MNR)
I-S	Salt Damage to Roadside Plants (MAF)
I-S	Shrubs for Wildlife (MNR)

AUDIO-VISUAL MATERIALS (Plants):

Division	Title
I-S	Air Pollution: Cause & Effects on New York State Plants (MAF)
I-S	The Changing Forest (MAF) (MNR)
S	Colour of Life (MNR)
S	Effects of Air Pollution on Plant Life (MAF)
I-S	Environment Ontario (MOE)
J-I	Life in the Woodlot (MNR)
S	The Photosynthesis & Respiration Cycle (MAF)
I-S	Riddle of Photosynthesis (MAF)

POLLUTION (See also "Air", "Water", "Noise", "Insects & Insecticides")

PRINT MATERIALS (Pollution):

Division	Title
I-S	Environment Ontario (a newspaper) (MOE)
P-J	Litter Bits & Pieces (a newspaper) (MOE)

POPULATION STUDIES

PRINT MATERIALS (Population Studies):

Division	Title
I-S	Current Methods of Contraception (MHE)
I-S	Preliminary Population Projection, Ontario 1971-1991 (MTEIA)

AUDIO-VISUAL MATERIALS (Population Studies):

Division	Title
I-S	Norman Bourlaug–Revolutionary (MAF)

PUBLICATIONS/INFORMATION

PRINT MATERIALS (Publications):

Division	Title
S	Algonquin Story (MNR)
I-S	The Firebirds (MNR)
S	Hunter's Handbook Part I (MNR)
S	Hunter's Handbook Part II (MNR)
All	Ontario Government Publications (GB)
All	Publications (List) (MNR)
J-I-S	Rocks & Minerals Information (MNR) (GB)
I-S	Statistics (MNR)
S	Summary of Hunting Regulations 197_ (MNR)
All	Who We Are, What We Are Doing For You (MNR) (GB)

RECYCLING (See "Conservation")

REPTILES

PRINT MATERIALS (Reptiles):

Division	Title
J-I-S	Ontario Snakes (MNR) (GB)
J-I-S	Ontario Turtles (MNR)

AUDIO-VISUAL MATERIALS (Reptiles):

Division	Title
J-I-S	The Snakes of Ontario (MNR)

SAFETY (See "Health")

SEWAGE TREATMENT (See also "Liquid Wastes")

PRINT MATERIALS (Sewage Treatment):

Division	Title
S	Activated Sludge Process (MOE) (GB)
I-S	Basic Sewage Treatment Operation (GB)
I-S	Environment Ontario (a newspaper) (MOE)
I-S	Introduction to Water Pollution Control (MOE)
S	Septic Tank Systems (MOE)

AUDIO-VISUAL MATERIALS (Sewage Treatment):

Division	Title
I-S	Environment Ontario (MOE)

SOILS

PRINT MATERIALS (Soils):

Division	Title
I-S	Management of Organic Soils (MAF)
S	Report on Pollution of Air, Soil, and Water in the Townships of Dunn, Moulton, and Sherbrooke, Haldimand County (GB)

AUDIO-VISUAL MATERIALS (Soils):

Division	Title
I	Agricultural Science Protects Our Environment (MAF)
I-S	Agricultural Waste Management (MAF)
I-S	Agriculture and the Environment (MAF)
I	Arteries of Life (MAF)
J	Birth of the Soil (MAF) (MNR)
I-S	Garbage Fertilizer (MAF)
I-S	Grass Roots in the Soil (MAF)
J-I	How Long Will it Last? (MAF)
J-I	How Man Conserves Soil (MAF)
J-I	How Man Has Used the Soil (MAF)
J-I	How Soil is Formed (MAF)
J-I-S	Our Changing Shores (MNR)
J-I	Patterns of the Wild (MAF)
J-I	Soil for Tomorrow (MNR)
J	Understanding Our Earth (MNR)
I-S	Washout (MAF)
I-S	Water (MAF)
J-I	The World at Your Feet (MNR)
J-I-S	Yours is the Land (MNR)

SOLID WASTES

PRINT MATERIALS (Solid Wastes):

Division	Title
I-S	Control of Industrial Wastes in Municipalities (GB)
S	Municipal Waste Disposal: Problem or Opportunity (GB)
I-S	Resource Recovery Centre (two volumes) (GB)
I-S	Solid Waste Task Force (three volumes) (GB)

AUDIO-VISUAL MATERIALS (Solid Wastes):

Division	Title
I-S	Garbage Composting (MAF)
I-S	Garbage Fertilizer (MAF)
I-S	Wisconsin Faces the Solid Waste Problem (MAF)

TRANSPORTATION

PRINT MATERIALS (Transportation):

Division	Title
S	Transportation & Economic Policy: Review of Current Issues, Ontario Background Paper at the 15th Annual Premiers' Conference, September 12th and 13th, 1975 (MTEIA)
I-S	Urban Transportation Development Corporation Folder (MTEIA)

AUDIO-VISUAL MATERIALS (Transportation):

Division	Title
I-S	The City: Cars or People (MTEIA)

TREES (See also "Forests and Forestry")

PRINT MATERIALS (Trees):

Division	Title
J-I	Care & Planting of Forest Trees (MNR)
I-S	Common Disorders of Broad-Leaved Trees (MAF)
I-S	The Forest Trees of Ontario (MNR) (GB)
J-I	Tree Information (General) (MNR)
I-S	Trees in Our Environment (MAF)

AUDIO-VISUAL MATERIALS (Trees):

Division	Title
J-I	Changing Maple Country (MAF) (MNR)
J-I-S	Forest Regions of Canada (MNR)
J-I-S	Forests for the Future (MNR)
I-S	Forests Forever (MAF) (MNR)
J-I	Maple Syrup Makers (MAF)
P-J	The Tree (MNR)
P-J	The Tree is a Living Thing (MNR)
J-I	Trees and Their Importance (MNR)

URBAN STUDIES (See "Planning")

WASTE DISPOSAL (See also "Solid Wastes")

PRINT MATERIALS (Waste Disposal):

Division	Title
S	About Resource Recovery (GB)
I-S	Environment Ontario (a newspaper) (MOE)
S	The Garbage Story (MOE)
P-J	Litter Bits & Pieces (MOE)
S	Resource Recovery Centre (two volumes) (GB)
S	Solid Waste Task Force Report (three volumes) (GB)

AUDIO-VISUAL MATERIALS (Waste Disposal):

Division	Title
J	What's Happening to Our Planet? (MOE)

WATER & WATER POLLUTION (See also "Liquid Wastes", "Sewage Treatment")

PRINT MATERIALS (Water & Water Pollution):

Division	Title
I-S	Basic Water Treatment Operation (GB)
S	Boating and Marine Regulations (GB)

S The Environmental Protection Act, 1971 (GB)
I-S Environment Ontario (a newspaper) (MOE)
I-S Farm Ponds (MAF)
I-S The Fisheries of Lake Simcoe (MNR)
I-S The Fisheries of Lake of the Woods (MNR)
I-S Fishes of Ontario (MNR)
I-S Fishing in Algonquin Provincial Park (MNR)
P-J Get in the Swim (MHE)
S Guidelines and Criteria for Water Quality Management in Ontario (MOE)
S How to Find and Control Pollution in Your Lake (GB)
S Introduction to Water Pollution Control (MOE)
S The Ontario Water Resources Act (MOE)
I-S Out of the Water: Ontario's Freshwater Fish Industry (MNR)
S Report on Pollution of Air, Soil, and Water in the Townships of Dunn, Moulton and Sherbrooke, Haldimand County (GB)
S Septic Tank Systems (MOE)
I-S Water Quality Guidelines for Bathing Beaches (MHE) (GB)
S Wells and Water (MOE)
S Your Cottage, Pollution, and You (MOE)

AUDIO-VISUAL MATERIALS (Water & Water Pollution):

Division Title
I Agricultural Science Protects Our Environment (MAF)
I-S Agricultural Waste Management (MAF)
I-S The Aquatic Ecologist (MNR)
I Arteries of Life (MAF)
I-S The Choice is Yours (MOE)
I-S Clean Waters (MNR)
J-I-S Downstream (MNR)
I-S The Erie Report (MAF)
I-S Environment Ontario (MOE)
J-I-S The Invisible River (MOE)
J-I-S The Marsh Community (MNR)
J-I-S Our Changing Shores (MNR)
J-I Pipeline to the Clouds (MNR)
I-S The Rise & Fall of the Great Lakes (MAF) (MNR)
I-S The River Must Live (MAF) (MOE)
J-I-S Soliloquy of a River (MNR)
J-I-S They Live By Water (MNR)
I-S Washout (MAF)
I-S Water (MAF)
I-S Women in the Environment (MOE)
P-J Wonders in a Country Stream (MNR)
J-I World in a Marsh (MAF) (MNR)
P-J Your Friend the Water (Clean or Dirty) (MNR)

WILDLIFE (See also "Birds", "Fish", "Insects", "Reptiles")

PRINT MATERIALS (Wildlife):

Division Title
I-S Animals in Research (MAF)
I-S Backyard Habitat (MNR)
J-I-S The Beaver in Ontario (MNR)
I-S The Ecology of the Timber Wolf (MNR)
I-S The Game & Fish Act and The Endangered Species Act (MNR)
S Hunter's Handbook Part I (MNR)
S Hunter's Handbook Part II (MNR)
J-I-S Mammals of Algonquin Provincial Park (MNR)
J-I The Moose in Ontario (MNR)
I-S Ontario Angling: Facts and Figures (MNR)
I-S Ontario Fishery Regulations (MNR)
I-S Outlines of Analytical Methods (GB)
J-I-S Reptiles and Amphibians of Algonquin Provincial Park (MNR)
I-S Shrubs for Wildlife (MNR)
S Summary of Hunting Regulations 197_ (MNR)
J-I-S Where to Find Cottontail Rabbits in Ontario (MNR)
J-I-S Where to Find Red-Tailed Hawks in Ontario (MNR)
J-I-S The White-Tailed Deer in Ontario (MNR)
I-S Wildlife Land Management for Ontario Landowners (MNR)
J-I Wildlife Series (MNR)
J-I-S Wolves and Coyotes in Ontario (MNR)

AUDIO-VISUAL MATERIALS (Wildlife):

Division Title
J-I Arctic Borderlands in Winter (MNR)
P-J Bear Country (MNR)
P-J Beaver Valley (MNR)
J-I-S Big Four–Outdoor Heritage (MNR)
J-I-S Boreal Forest (MNR)
J-I-S Camouflage in Nature Through Form and Colour Matching (MNR)
J-I-S Camouflage in Nature Through Pattern Matching (MNR)
P-I Camouflage–Nature's Protection (MNR)
I-S The Changing Forest (MAF) (MNR)
P-I Creatures of the Forest (MNR)
I-S Deer Family of North America (MNR)
J-I-S Land of the Loon (MNR)
J-I Large Animals of the Arctic (MNR)
J-I Life in the Woodlot (MNR)
J-I Nature's Half Acre (MNR)
J-I Patterns of the Wild (MAF)
J-I-S The Pond (MNR)
J-I-S So Little Time (MNR)
J-I-S The Timber Wolf (MNR)
All Whitethroat (MIT) (MNR)
P-I Wildlands–Our Heritage (MNR)

SECTION B

ANNOTATED DESCRIPTIONS OF PRINTED MATERIALS ON ENVIRONMENTAL EDUCATION

Note: The first bracket following each title indicates the appropriate educational division. P-primary (JrK-3), J-junior (4-6), I-intermediate (7-10), S-senior (11-13).

ABOUT AIR POLLUTION:
A Factsheet About Odours (I-S) (GB)
A single page description of odours as a pollution problem.

ABOUT AUTO EMISSIONS:
A Factsheet (S) (GB)
A brief description of the automotive emission control program in Ontario.

ABOUT COTTAGE POLLUTION:
A Factsheet (S) (GB)
A brief account of what the cottage owner can do to prevent pollution of our lakes.

ABOUT OPEN BURNING:
A Factsheet (S) (GB)
A single page outline of the open burning guidelines in Ontario.

ABOUT PESTICIDES AND THE ENVIRONMENT:
A Factsheet (I-S) (GB)
Four pages that define pesticides, residues and their sources, describe other available pest control methods, and outline the benefits of using pesticides. Suggested readings, a set of questions, and some student projects are also listed.

ABOUT RESOURCE RECOVERY:
A Factsheet (S) (GB)
Four pages that outline the Province of Ontario's Resource Recovery Program and the role of the Waste Management Advisory Board.

ABOUT WASTE:
What Can One Family Do? (All) (MOE)
Four pages filled with suggestions for families interested in reducing their waste generation.

ACOUSTIC TECHNOLOGY COURSE (S) (MOE) (GB) $2.00
A manual designed for the acoustic technology course offered by the Ministry of the Environment but of potential use to anyone interested in the science of noise pollution and noise control legislation.

ACTIVATED SLUDGE PROCESS (S) (MOE) (GB) $2.00
A manual designed for the activated sludge process workshop offered by the Ministry of the Environment but of potential use to anyone interested in the nature and use of activated sludge in the treatment of sewage.

AIR POLLUTION AND HORTICULTURAL CROPS (I-S) (MAF)
A factsheet on air pollution problems in Ontario and the effect of a number of air pollutants, including sulphur dioxide, fluorides, particulate matter and oxidents, on Ontario crops.

ALGONQUIN PROVINCIAL PARK CANOE ROUTES (I-S) (MNR) $1.00 plus retail sales tax
38"x 38" map folder showing routes and 23 access points. Details on 130 trips. $1.07

ALGONQUIN STORY (S) (MNR) $2.50
The author, Audrey Saunders, was commissioned by the Ontario Department of Lands and Forests (now part of the Ministry of Natural Resources) to collect information for the story of how Algonquin Park came to be, and to trace its development. Reprinted with revised maps, 1963. 204 pp., 5 maps, 20 illustrations (4 in colour).

ANIMALS IN RESEARCH (I-S) (MAF)
A brief interpretation in layman's language of the Animals for Research Act.

ARMYWORM (I-S) (MAF)
A factsheet on the nature, location, effect and plant preference of the armyworm, and appropriate methods of control (chemical and biological).

BACKYARD HABITAT (I-S) (MNR)
Discusses the impact of urbanization, roads and highways, and hydro transmission lines on the status of wildlife habitat, and outlines the possibilities of transforming the backyard into a more suitable habitat for wildlife.

BASIC SEWAGE TREATMENT OPERATION (I-S) (GB) $2.00
A manual designed for the basic sewage treatment operation course given by the Ministry of the Environment, but of potential use to anyone interested in sewage treatment plant operation.

BASIC WATER TREATMENT OPERATION (I-S) (GB) $2.00
A manual designed for the basic water treatment operation course offered by the Ministry of the Environment but of potential use to anyone interested in the operation of a water purification plant.

THE BEAVER IN ONTARIO (J-I-S) (MNR) $0.50
This-20 page booklet contains information on the life history, habits, ecology and management of the beaver. 1 map, 13 photographs.

BEEKEEPING–GENERAL INFORMATION (J-I-S) (MAF)
A detailed text on beekeeping. Covers all aspects from construction of the hive to collecting the honey.

BEEKEEPING IN ONTARIO (S) (MAF)
A comprehensive guide to beekeeping in Ontario. This book is primarily for the commercial beekeeper and gives such information as regulations governing keeping of bees, handling of bees, races of bees, seasonal management, feeding and moving of bees, and bee diseases.

BETTER STREAMS FOR MORE TROUT (I-S) (MNR) $0.50
Ontario has an abundance of natural streams for producing trout and related fish species. This 16 page booklet describes loss of trout habitat and outlines stream enhancement techniques that can restore neglected or degraded habitat.

BIRDS OF ALGONQUIN PROVINCIAL PARK (I-S) (MNR) $0.50
This booklet is both a check-list of birds seen in Algonquin Park and an illustrated introduction to individual species and families of birds. 40 pp., 37 drawings.

BOATING AND MARINE REGULATIONS (S) (GB) $0.25
Outlines the government regulations pertaining to boats in the province.

BRUCE GENERATING STATION "A" (S) (OH)
A factsheet on the Bruce Nuclear Generating Station, supplying both general and technical information on the buildings and structures, reactor physics, reactivity control units, moderator, primary coolant, boilers, fuel elements, and turbine generator.

BRUCE NUCLEAR POWER DEVELOPMENT (I-S) (OH) (GB)
Brochure outlines development plans for the Bruce Nuclear Generating Station and heavy water plants located on Lake Huron in Bruce Township.

CANCER:
It's Being Tamed (I-S) (MHE)

Basic information on the nature, detection, cause, and prevention of cancer.

CANDU:
Variations of a Nuclear Theme (I-S) (OH)

Reprint from the October 1971 issue of Ontario Hydro News, tracing the history and development of the CANDU reactor and briefly explaining the nuclear fission process in the CANDU reactor.

CARE AND PLANTING OF FOREST TREES (J-I) (MNR)

Describes procedures in planting and caring for trees.

CARING FOR BEES IN SCHOOLS (All) (MAF)

Introduction to beekeeping, with notes on how to start a bee colony, and seasonal management of honeybee colonies, and references to other MAF publications on the subject.

CENTRAL ONTARIO LAKESHORE URBAN COMPLEX (S) (MTEIA) (GB) $5.00

December 1974 report of the COLUC task force as part of the Design for Development Program in the Toronto Centered Region. The report outlines this plan and its objectives. Reports population and employment distribution, with projections for 1981 and 2001. Examines the impact of urban growth and its implications for agriculture, outdoor recreation and the use of natural resources, and shows that urban development, if unchecked, will eventually make heavy demands on agriculture and other natural resources, resulting in serious loss of these resources.

CEREAL FUNGUS DISEASE (I-S) (MAF)

A factsheet on the appearance, life history and control of a number of cereal fungus diseases, including leaf and stem rusts, septoria leaf and head blotches, smuts, powdery mildew, root rot, leaf spots, drechstera leaf blotch of oats, net blotch of barley, scald, and some minor fungus diseases, found in Ontario crops.

CEREAL VIRUS DISEASE (I-S) (MAF)

A factsheet on the effects, transmission and control of cereal virus diseases, including aphid-transmitted, soil-borne, mite-transmitted, and seed-borne viruses.

CHEMICAL ORGANIC FERTILIZER (I-S) (MAF)

A factsheet on the nature and use of organic and chemical fertilizers.

COMMON DISORDERS OF BROAD-LEAVED TREES (I-S) (MAF)

A factsheet on common disorders of recently transplanted and established broad-leaved trees, and preventative practices.

COMMON PESTS OF ORNAMENTAL TREES AND SHRUBS (I-S) (MNR)

This 64-page, part colour, publication describes and illustrates common insect pests and diseases found on ornamental trees and shrubs.

COMMUNITY SPONSORED HOUSING (S) (MHO)

Outlines the background of this program, how it works, eligible organizations, and criteria for applicants. This plan provides for low-cost housing for people of low and middle incomes.

CONFLICTS IN FOREST MANAGEMENT (I-S) (MNR)

Summary of a paper investigating conflict of interest in the use of forests between various groups. Need for proper planning and management, recognizing the interests of all, is emphasized. Though brief, this paper raises important issues.

CONSERVATION AREAS IN ONTARIO (All) (MNR) (GB)

Map pinpoints conservation areas throughout and classifies each one as to its location, facilities, and recreational and educational opportunities.

CONSERVE HOT WATER (I-S) (OH)

Outlines possible ways of conserving hot water in the home.

THE CONSERVENERGY QUIZ (I-S) (OH)

Seventeen questions designed to test knowledge of energy conservation.

CONTROL OF INDUSTRIAL WASTES IN MUNICIPALITIES (I-S) (GB) $2.00

A manual designed for a course in the control of industrial wastes in municipalities offered by the Ministry of the Environment, but of potential use to anyone interested in this topic.

CORN LEAF APHID (I-S) (MAF)

A factsheet on the life history, effect, and chemical control of the corn leaf aphid.

CURRENT METHODS OF CONTRACEPTION (I-S) (MHE)

Detailed information about the human reproductive process and various methods of birth control. Useful in population studies.

DEVELOPMENT PLANNING IN ONTARIO (S) (MTEIA)

How Ontario's new Planning and Development Act will work for the benefit of everyone and every region.

THE ECOLOGY OF THE TIMBER WOLF (I-S) (MNR) $2.00

Ecology and behaviour of the timber wolf in Algonquin Park, based on research between 1958 and 1965. Includes tables, figures, maps, and photographs.

EFFECT ON HUMAN HEALTH OF LEAD FROM THE ENVIRONMENT (I-S) (GB) $2.50

Report by a Ministry of Health committee on the effects of lead on Ontario residents. Inquiry based on deaths from lead poisoning, hospitalized cases, effects of lead on the industrial worker and the general population, sources and distribution of lead, lead in the natural system, food and water, and on legislation and the organizational structure within public health with particular reference to lead. Appendices of data and observations made in the study.

EFFICIENCY IN ENERGY USE (I-S) (OH)

Reprint of a paper presented to the Canadian National Energy Forum in February 1974, comparing the efficiency of energy use from different sources, with a look to the future. Emphasis is on the need to develop a "conservation ethic" and the likelihood of an increasing demand for electrical energy, with comments on production efficiency, transportation and distribution, and personal conservation measures.

ENERGY—CONCERNS OF THE 70's (I-S) (OH)

Booklet examines Ontario's present energy picture, future demands and alternative sources of energy, including "watts from waste". Need for conservation is stressed throughout.

ENERGY CONSUMPTION BY ONTARIO MANUFACTURING INDUSTRIES (S) (MTEIA) (GB)

Facts and figures on energy usage by Ontario's manufacturing and industrial companies.

ENERGY IN ONTARIO:
Economic Background (I-S) (MTEIA)

Ontario background paper presented at the 15th Annual Premiers' Conference held on September 12 and 13, 1974, reviewing the problems and prospects of meeting forecast increases in Ontario's energy demand. Present status of the various energy resources utilized in Ontario are examined with a look to the future.

ENERGY IN ONTARIO:
The Outlook and Policy Implications,
Vol. II (I-S) (GB) $2.50

This extensive text (159 pg.) is the main report of the Advisory Committee on Energy, and deals with energy in Ontario's economy, supply and demand, energy resources of Ontario, and the external factors affecting the supply of such resources, environmental protection, the role of petrochemicals, future energy costs in Ontario, taxation, nuclear power, federal-provincial energy relationships and Ontario's energy policy.

ENERGY POLICY AND PRICING (STATEMENT MADE BY THE HONOURABLE WILLIAM G. DAVIS AT THE FEDERAL-PROVINCIAL CONFERENCE OF FIRST MINISTERS, APRIL 9 and 10, 1975) (S) (MTEIA)

Statement by Premier Davis on energy policy and pricing at the conference.

ENVIRONMENT ONTARIO (I-S) (MOE)

A periodical newspaper designed especially for students at the secondary school level. Containing information on problem areas related to: air, water, waste, noise and pesticides, as well as suggested activities, and a wide assortment of facts. Also enclosed is a poster.

ENVIRONMENTAL ACTION PLAN (I-S) (GB) $1.00

Report written by the Ontario Task Force on the Human Environment in response to the Conference on the Human Environment held in Stockholm in June 1972. The issues at the Stockholm Conference pertaining to the maintenance of resource viability, the quality of life, the economic impact of environmental considerations, the need for planning, informational exchange, education, research and the field of intergovernmental responsibilities are examined, particularly as they relate to Ontario.

THE ENVIRONMENTAL PROTECTION ACT, 1971 (S) (GB) $2.50

The major Act in the province concerning environmental control.

AN ENVIRONMENTAL STUDY (ABSTRACT) TO SELECT HYDRO TRANSMISSION CORRIDORS FOR THE SOLANDT COMMISSION (S) (OH) (GB)

Abstract presents the highlights of a study undertaken for the Solandt Commission to select a location for Ontario Hydro's Middleport to Pickering transmission line corridor. Alternative routes are considered and a preferred route selected.

FARM PONDS (I-S) (MAF)

Illustrated booklet is intended for the agriculturalist, but contains information relevant to the construction and management of any pond for fish, wildlife, recreational or aesthetic purposes.

FEDERAL-PROVINCIAL CONFERENCE OF FIRST MINISTERS, APRIL 9 and 10, 1975, A NEWS RELEASE ON PRICING AND CONSERVING OIL AND NATURAL GAS: Document # FP4168 (S) (MTEIA)

Copy of the news release.

FEDERAL-PROVINCIAL CONFERENCE OF FIRST MINISTERS, APRIL 9 and 10, 1975. ONTARIO PAPER ON THE DIRECT IMPACT OF HIGHER OIL AND GAS PRICES ON ONTARIO HOUSEHOLDERS AND BUSINESS: Document # FP4169 (S) (MTEIA)

Copy of the text of this speech.

FEDERAL-PROVINCIAL CONFERENCE OF FIRST MINISTERS, APRIL 9 and 10, 1975. ONTARIO PAPER ON THE ECONOMIC IMPACT ON ONTARIO OF 1974 OIL AND GAS PRICE INCREASES:
Document # FP4178 (S) (MTEIA)

Paper given at this conference discusses the effect of such price increases on Ontario's economic growth, employment, and rate of inflation.

FEEDING HONEYBEES (J-I-S) (MAF)

A factsheet on feeding honeybees, including fall and spring feeding, types of feeders, feeding combs of honey, dry sugar feeding, drug additives, pollen feeding, and mixtures for feeding.

THE FIREBIRDS (I-S) (MNR) $6.95

An account of the first 50 years of the Ontario Provincial Air Service (1924-74) written by Bruce West. Numerous photographs and drawings are included in this true story of how bush flying won its wings. 272 pp., illustrated.

THE FISHERIES OF LAKE SIMCOE (I-S) (MNR) $1.00

Detailed notes on the history, biology and utilization of the aquatic resources of Lake Simcoe. Includes information on the distribution and movements, food, habits, age and growth, sport and commercial harvests, and management by the Ministry of Natural Resources on the more common varieties of fish found in Lake Simcoe.

THE FISHERIES OF LAKE OF THE WOODS (I-S) (MNR) $1.00

Summary of five-year study of the Lake of the Woods. Includes general information on the Lake of the Woods, its physiography, early history, physical and chemical properties, and sport and commercial fishing. Supplies information on common species of fish in the lake, their distribution and movements, food, habits, sexual maturity, spawning sites, and sport and commercial harvest.

FISHES OF ONTARIO (I-S) (MNR) $2.50

Information on the identification, distribution, life history and habitat requirements of the more important species of fish found in Ontario's waters. (Reprints of 27 different species from this book are also available free of cost. Please specify the fish(es) you are interested in when ordering the reprints).

FISHING IN ALGONQUIN PROVINCIAL PARK (I-S) (MNR) $0.50

Research and management of the fisheries program in Algonquin Provincial Park, and distribution and habit of the fishes of this area.

FISHING 197_ (S) (MNR)

A summary of open seasons, limits of catch, possession limits, and fishing regulations prepared each year for the convenience of the public. 22"x 28" folder.

FOREST FIRE CONTROL IN ONTARIO (I-S) (MNR)

With 90% of Ontario's land area classified as forested land, forest fire control becomes a very important element of natural resource management. Booklet reviews the history of forest fire control, the causes and effects of forest fires and the role of the Ministry of Nautral Resources in forest fire control. Techniques used to combat forest fires and recent improvements in fire control are also discussed.

THE FOREST RESOURCES OF ONTARIO (S) (MNR) (GB) $0.75

Summarizes the forest resources of Ontario as determined by a forest survey completed between 1946 and 1959. Includes information on areas, ownership, regions, cover types, volume, species, size-class, relationships, allowable cuts and utilization.

THE FOREST TREES OF ONTARIO (I-S) (MNR) (GB) $0.50

Brief descriptions of the native forest tree species of Ontario. Complete guide to identification, with illustrations of leaves, fruit, winter twigs, and, in some cases, flowers.

THE GAME AND FISH ACT AND THE ENDANGERED SPECIES ACT (I-S) (MNR) $1.25

Valuable information in the study and investigation of provincial laws and regulations. The purpose of these Acts is to provide for the management, perpetuation, and rehabilitation of the wildlife resources in Ontario. Included are sections on firearms, fishing, hunting, licences, trapping, open seasons and endangered species.

THE GARBAGE STORY (S) (MOE)

A brochure dealing briefly with the Ministry of the Environment's Resource Recovery Program to control waste in the Province.

GEOLOGICAL EDUCATIONAL NOTES (I-S) (MNR)

Brief reference sheets on various geological topics. Included are:

1) The Study of Minerals and Minerals for Explorers;

2) Mineral Properties;

3) Ore and Industrial Materials;

4) Rock Forming Minerals;

5) Rocks;

6) Classification of Igneous Rocks;

7) Classification of Common Sedimentary Rocks;

8) Some Map and Aerial Photograph Sources.

Order by titles, and refer to the "Educational Notes Series".

GEOLOGICAL GUIDE TO CYPRUS LAKE PROVINCIAL PARK (I-S) (MNR) $0.50

A guide and introduction to the geological processes in Cyprus Lake Provincial Park.

GEOLOGICAL GUIDE TO HIGHWAY 60 ALGONQUIN PARK (I-S) (MNR) (GB) $0.50

A guide and introduction to the geological processes along Highway 60 within Algonquin Provincial Park.

GEOLOGY AND SCENERY HANDBOOKS (I-S (MNR) (GB) $2.00 each

This series of handbooks is commonly broken down into two parts. Part one provides a résumé of the general geology of the region. Part two lists various points of geological interest along or close to the principal highways in the region. A glossary of technical terms used in these books is included. To date, four guidebooks have been published in this series:

1) Rainy Lake and East to Lake Superior;

2) North Shore of Lake Superior;

3) Peterborough, Bancroft and Madoc Area;

4) North Shore of Lake Huron.

Other guidebooks in this series are planned.

GET IN THE SWIM (P-J) (MHE)

Basic swimming safety rules, including a step-by-step description for mouth-to-mouth resuscitation.

THE GIFTS OF NATURE (I-S) (OH) (GB)

This Ontario Hydro booklet explains, in laymen's language, the science of electricity, the workings of different generators, and the transmission and distribution of electricity. Also discusses generation of electricity from various energy sources in Ontario, and the future of the industry in relation to growing demands and environmental considerations. Contains a glossary of commonly used electrical terms, and a list of electrical generating stations in Ontario.

GUIDE TO ROBERT H. SAUNDERS–ST. LAWRENCE GENERATING STATION (I-S) (OH)

Pertinent facts on the Robert H. Saunders–St. Lawrence Generating Station, and a diagramatic sketch of the area.

GUIDELINES AND CRITERIA FOR WATER QUALITY IN ONTARIO (S) (MOE) $0.30

A technical document which includes water quality criteria used by the Ministry of the Environment to control water pollution in the Province.

A HARDROCK MINING OPERATION (I-S) (MNR)

A diagramatic interpretation of a hardrock mining operation with explanatory notes. Brief but complete introduction to the methods by which most mineral resources are extracted.

HOW TO FIND AND CONTROL POLLUTION IN YOUR LAKE (I-S) (GB)

The content of the brochure follows very closely the title description.

HOUSING FOR SENIOR CITIZENS (S) (MHO)

Outlines the Ontario Housing Corporation's program in providing housing for senior citizens.

HUNTER'S HANDBOOK PART I $0.50
HUNTER'S HANDBOOK PART II $0.75
(S) (MNR)

These two booklets contain information on hunting licences, firearms, bow hunting, hunter safety, regulations, wildlife, wildlife management, and field care of big game. They are prescribed texts for the Hunter Training Course in Ontario.

HYDRO IN THE NORTHWEST (J-I) (OH)

General information on ten generating stations located on rivers in northwest Ontario. History of hydro development in this area is briefly reviewed.

HYDRO IN ONTARIO:
A Future Role and Place (S) (OH) (GB)

First report of the Ontario Hydro Task Force, released in August 1972. Details Ontario Hydro's history, municipal utilities, citizen involvement in, and government policies pertaining to, Ontario Hydro's activities, Ontario Hydro's role in the future energy picture, and the recommendations of the Task Force on the future role and place of Hydro in Ontario.

IMPROVED SEEDS FOR FUTURE FORESTS (I-S) (MNR)

Ontario's reforestation program is briefly explained, with special attention to the collection, isolation and storage of seeds.

INSULATING YOUR HOME (I-S) (OH)

Complete "do-it-yourself" guide to insulating a house, from Ontario Hydro. Discusses the importance of adequate insulation for the sake of comfort, cost and energy conservation, and details the amount and type of insulation best suited to different parts of the house.

AN INTRODUCTION TO AIR POLLUTION IN ONTARIO (I-S) (MOE)

This is a brief factsheet governing legislation, air pollution sources and types, effects on human health, and ways to reduce pollution emissions.

INTRODUCTION TO WATER POLLUTION CONTROL (I-S) (MOE)

A factsheet covering many aspects of sewage treatment with a section on activities for students studying water pollution.

IT'S BEEN A GOOD DAY (All) (OH)

Describes Ontario Hydro's electrical safety program for elementary and secondary school students. Pamphlet suggests introductory remarks and follow-up activity for the screening of Ontario Hydro's film, "It's Been a Good Day".

KAKABEKA FALLS (I-S) (OH)

Description of the Kakabeka Falls generating station, located on the Kaministikwia River.

KILOWATTS FROM STEAM (I-S) (GB)

Describes the thermal-electric process used by Ontario Hydro to produce electricity, and the environmental controls operating on such processes.

A LAKESHORE STUDY OF HALDIMAND AND NORFOLK COUNTIES (S) (MTEIA) (GB) $1.00

Report on the findings and recommendations of a study of these two counties. This document could serve as the basis for a parallel study of some other lakeshore area by the student(s), or, this study itself could be examined.

LAKEVIEW GENERATING STATION (I-S) (OH)

Facts and figures on Ontario Hydro's fossil-fuelled (coal) electric plant in Toronto. Description and appropriate diagrams of the power plant process, and notes on quality controls are included. Information on arranging for tours is also supplied.

LAMBTON GENERATING STATION (I-S) (OH)

Facts and figures on Ontario Hydro's fossil-fuelled (coal) electric plant south of Sarnia on the St. Clair River. Description and appropriate diagrams of the power plant process, and notes on air quality controls are included. Information on arranging for tours is also supplied.

LAND REQUIREMENTS FOR UTILIZATION OF LIQUID MANURE IN CROP PRODUCTION (I-S) (MAF)

A factsheet on the utilization of liquid manure in crop production; soil, water and air pollution considerations and other systems of disposal are outlined. (In short supply).

LEAD POISONING IN CATTLE (I-S) (MAF)

A factsheet on lead poisoning in cattle, including sources, symptoms, diagnosis, treatment and prevention.

LEAF DISEASES OF FIELD CORN (I-S) (MAF)

A factsheet on the nature, symptoms and control (integrated) of fungus diseases of corn in Ontario.

LENNOX GENERATING STATION (I-S) (OH) (GB)

General information, facts and figures concerning Ontario's first oil-fired generating station, the Lennox Generating Station, located 20 miles west of Kingston, on Lake Ontario.

LITTER BITS AND PIECES (P-J) (MOE)

An elementary tabloid for use by students grades 2-5.

LONG-RANGE PLANNING OF THE ELECTRICAL POWER SYSTEM (Report # 566 SP, February 1, 1974) (S) (GB)

Report discusses the factors which must be taken into account in the long-range planning process, the constraints which must be observed, and the options and trade-offs available. Presents several alternative plans for long-range development of the generation and bulk power transmission of electrical energy.

LOT LEASE PROGRAM (I-S) (MHO)

General information about the Home Ownership Made Easy Plan (H.O.M.E.), under which lots are leased so the purchase price of a home is lower than normal.

LUMBER IN ONTARIO (I-S) (MNR)

Gives a variety of statistics on land use, tree species and allowable cuts used in Ontario's lumbering industry. Includes pictures and captions on the cutting, transplanting, processing and distribution of wood products.

MAMMALS OF ALGONQUIN PROVINCIAL PARK (J-I-S) (MNR) $0.50

Describes and discusses the more than 40 different kinds of mammals known with reasonable certainty to live within the boundaries of Algonquin Park. 46 pp., 27 line drawings.

MANAGEMENT OF ORGANIC SOILS (I-S) (MAF)

A factsheet on organic soil management considerations including subsidence, water control, wind-erosion control, soil reaction and liming, fertilizing, soil testing and adapted crops.

MINERAL FACTSHEETS (I-S) (MNR)

Mines Division, Ministry of Natural Resources, produces one or two-page factsheets on some of the more common minerals such as gold, uranium, iron, nickel, silver, etc. The history, uses, properties, and deposits of the particular mineral are discussed. When ordering, indicate the mineral(s) in which you are interested.

THE MINING ACT (S) (MNR) $1.40

A valuable reference for the teacher or senior student interested in the legal aspects of mining in Ontario.

MINISTRY OF HOUSING NEWS RELEASE, APRIL 15, 1975 (Solar Energy) (I-S) (MHO)

A 5-page brief of the Ministry of Housing's plans to utilize solar energy to heat two provincial projects—a single family home and a multi-unit senior citizens' residence—as part of Ontario's Energy Management Program.

MINISTRY OF HOUSING POLICIES AND PROGRAMS (S) (MHO)

General description of the organization, role, and programs of the Ministry of Housing.

THE MOOSE IN ONTARIO (J-I-S) (MNR) $0.50

General ecology and behaviour of the moose, with sections on the moose's appearance, history, occurrence, life history, habits, predators, accidents, disease and parasites, populations, range, and relationship to man.

MOSQUOTOES AND BLACK FLIES: Factsheet (S) (GB)

Outlines on a single page, some tips on control.

MUNICIPAL WASTE DISPOSAL: Problem or Opportunity (S) (GB) $3.00

Published by The Ontario Economic Council. An examination of the problem of waste disposal, alternative methods of disposal, the nature of reclamation systems, and the value and utility of such reclaimed materials.

NANTICOKE (I-S) (OH)

General information, facts and figures concerning Nanticoke thermal electric (coal-fired) generating station. Environmental controls and studies pertaining to this operation are also described.

NANTICOKE: A Preoperational Report (S) (OH)

Report on the findings of studies on the effect of thermal discharge from the Nanticoke Generating Station on the surrounding aquatic environment. The Ministries of Environment and Natural Resources, and Ontario Hydro, participated in the study. Later Stelco and Texaco joined

the group. This preoperational report covers the period from 1967 to December 1971 and is primarily a baseline documentation of existing conditions at Nanticoke before the generating station and other industries commence full operation.

THE NIAGARA ESCARPMENT (S) (MTEIA) (GB)

General information on the Niagara Escarpment Plan—a plan designed to limit and control growth and development on and near the escarpment and to attempt to maintain the escarpment's natural environment.

THE NIAGARA ESCARPMENT,
GOVERNMENT POLICY FOR (S) (MTEIA) (GB) $1.00

Details the background of the Niagara Escarpment Plan and the objectives of the plan. The planning process is explained and encourages citizen participation in the development of such a plan. Special reference is made to development control, land acquisition, pit and quarry activities, and recreational resources of the area.

NIAGARA:
River of Power (I-S) (OH)

Describes the two Sir Adam Beck generating stations at Niagara Falls, with respect to their in-service dates, location, capacity, and major facilities. Includes a diagram of the scheme.

NIPIGON RIVER GENERATING STATIONS (I-S) (OH)

Information on the three generating stations located on the Nipigon River: location, cost, capacity, headworks, headpond and spillway of the Cameron Falls, Alexander and Pine Portage stations, plus a simple map of the area.

NORTH PICKERING GUIDELINES (S) (MTEIA) (GB)

Working paper on the regional development of the North Pickering community. Details the findings and proposals of studies on such factors as population, economic role and transportation networks. This would be a useful resource for the teacher or senior student interested in investigating proposed planning and development in the North Pickering area.

Note: The Ontario Government Bookstore (Government Services) has an extensive collection of publications concerned with various aspects of the proposed North Pickering community.

THE NORTH PICKERING PROJECT:
A New Community (S) (MHO)

The North Pickering Project is part of the Ontario Government's "Design for Development: The Toronto Centered Region" plan. This brochure outlines the planning (including public participation) and design considerations that have been, and are presently being made with respect to the North Pickering Project. Includes map of the area.

THE NORTH PICKERING PROJECT:
A New Community (S) (MHO)

A "planning kit" containing:

1) a brochure describing the four-phase program leading to final approval of the plan for North Pickering;

2) maps outlining some of the natural and man-made factors, such as agricultural capabilities, that influence the ultimate land use plan;

3) three brochures detailing twelve preliminary alternative physical design concepts of the new community;

4) a stamped, self-addressed response form to enable you to convey your ideas to the Project Planners.

This kit has good potential for initiating an urban planning project in the classroom.

NORTHERN CORN ROOTWORM (I-S) (MAF)

A factsheet on the life cycle, distribution, effects, symptoms and control (cultural and chemical) of the northern corn rootworm.

NUCLEAR POWER IN ONTARIO (S) (OH) (GB)

Third report of the Ontario Hydro's Task Force, released in February 1973. Includes sections on past and present decisions on nuclear power, fundamentals of nuclear-powered electrical generation, the CANDU program, the issues at stake, the future of the nuclear power program of Ontario Hydro, resources and markets, educational information, and a summary of the Task Force's recommendations.

OAT NEMATODE IN ONTARIO (I-S) (MAF)

A factsheet on the nature and effect of the oat nematode in Ontario along with recommended methods of control (non-chemical).

OIL AND GAS IN ONTARIO:
Yesterday-Today-Tomorrow (I-S) (MNR)

Reviews the past, present and future role of Ontario in the petroleum industry: the history of the petroleum industry in Ontario, the origin and occurrence of petroleum, the geology of southwestern Ontario, the different stages of exploration drilling, production, transportation and refining, and the role of government in this industry.

OJIBWA FISHERIES IN NORTHWEST ONTARIO
(S) (MNR)

This 45-page booklet, complete with maps and tables, reports on the social significance of the commercial fishery on inland lakes to the Ojibwa of northwestern Ontario. The report deals with subsistence fishing in the past, commercial fishing, past and present, the views of the native people, and some conclusions about the future of commercial fishing in this area.

ONTARIO ANGLING:
Facts and Figures (I-S) (MNR)

A book about sport fishermen in Ontario—who the anglers are, where they live, where they fish, what they catch and how much they spend. 95 pages—includes 63 tables, 12 graphs, 20 charts, 21 maps and 4 photographs—all in colour.

ONTARIO BACKGROUND PAPERS:
Federal-Provincial Conference of
First Ministers on Energy (S) (MTEIA)

Papers presented by Ontario at the Federal-Provincial Conference of First Ministers on Energy on January 22 and 23, 1974. Papers cover energy-related issues, including an examination of fossil fuel resources, nuclear power, hydroelectricity, energy exports regulatory mechanism in Ontario, and economic factors influencing these issues.

ONTARIO FISHERY REGULATIONS (I-S) (MNR)

An office consolidation of the various laws prescribing the means and methods by which fish may be taken in Ontario. Includes both sport and commercial fishing laws. 168 pages.

ONTARIO GOVERNMENT PUBLICATIONS (All) (GB)

Published annually, catalogue lists publications of the various government Ministries and agencies.

ONTARIO HYDRO ENVIRONMENTAL REPORT:
Power Supply to Prince Edward County (S) (OH) (GB)

Outlines the environmental study conducted by Ontario Hydro for transmission line right-of-way requirements associated with the proposed supply of power to Prince Edward County.

ONTARIO HYDRO 500KV TRANSMISSION RIGHT-OF-WAY, BRADLEY-GEORGETOWN (S) (OH) (GB) $5.00

Outlines the environmental study conducted by the Ontario Hydro for transmission line right-of-way requirements associated with the incorporation of the probable generation facilities at Bruce Generating Station and the supply of power to the Kitchener area.

ONTARIO HYDRO 500KV TRANSMISSION LINE RIGHT-OF-WAY, LENNOX-OSHAWA: Environmental Study Summary Report (S) (OH) (GB) $5.00

Summarizes the environmental study conducted by Ontario Hydro for transmission line right-of-way requirements associated with the proposed supply of power from the Lennox Generating Station to the Oshawa Area Transformer Station.

ONTARIO MINE TOURS (J-I-S) (MNR)

Detailed list of many mining operations in Ontario and conditions under which visits may be made to them.

ONTARIO SNAKES (J-I-S) (MNR) (GB) $0.50

Appearance, habitat and behaviour of Ontario's fifteen species of snakes.

ONTARIO SUBMISSION TO THE ONTARIO ADVISORY COMMITTEE ON ENERGY (I-S) (OH)

While written in 1972, this 18-page brief is still useful as a reflection of the thoughts and policies of the Ontario Hydro. Discusses the importance of electrical energy, the changing mix of Ontario Hydro generation, electrical energy and the environment, advertising and marketing, electrical energy and fuel conservation, costs, and comparative efficiencies of house heating systems.

ONTARIO TURTLES (J-I-S) (MNR) $0.50

Appearance, habitat and behaviour of turtles native to Ontario is presented in this 25-page illustrated booklet.

ONTARIO WATER RESOURCES ACT (S) (MOE) $1.00

The major piece of legislation controlling water pollution in the Province.

OUT OF THE WATER: Ontario's Freshwater Fish Industry (I-S) (MNR)

Discusses past and present of Ontario's fishing industry. Discusses the Great Lakes and their native fish, and the fishing industry, from net to table.

OUT OF THE WOODS (I-S) (MNR)

Discusses the cutting, transportation, and processing of trees into their many products. Economic importance of Ontario's forest industry is stressed. A map details the extent and types of forests in Ontario and pinpoints sawmills, pulp and paper mills and veneer mills.

OUTLINES OF ANALYTICAL METHODS (I-S) (GB) $2.00

Guide to the occurrence, significance, sampling and analysis of chemical and microbial parameters in water. Highly recommended for the teacher/student of environmental chemistry.

PARKLAND FOR PEOPLE (S) (MHO)

Guidelines for official plan policies on parkland.

THE PARKWAY BELT WEST: (Government Policy) (S) (MTEIA) (GB) $1.00

Describes the Parkway Belt West and the plan which can be summarized as an attempt at government control and planning of urban growth.

THE PARKWAY BELT WEST: (Pamphlet) (S) (MTEIA) (GB)

General information on the Parkway Belt West Plan, part of the Toronto Centered Plan aimed at limiting and regulating growth in this densely-populated region of Ontario.

"PESTS" (I-S) (MNR)

The Forestry Branch of the Ministry of Natural Resources produces a number of leaflets on various insects and rodents, traditionally referred to as "pests", affecting crops, fields and forests. Leaflets usually include information on the distribution and hosts of the insect, its description, life cycle, injury, importance and control. Contact the Ministry of Natural Resources Division of Forests for additional information on the insects you are interested in studying.

PICKERING GENERATING STATION (Booklet) (I-S) (OH)

Tells the complex story of the Pickering Nuclear-Powered Generating Station. Outlines history and development of nuclear energy in Canada, and explains the nuclear fission process, with special reference to Canada's CANDU reactor.

PICKERING GENERATING STATION (Pamphlet) (I-S) (OH)

Briefly describes the CANDU reactor with special attention given to the Pickering Station. Refers to safety precautions at the plant, and concern for the environment, but not to the problem of disposing of radioactive waste tailings.

PICKERING GENERATING STATION DATA (S) (OH)

Factsheet on the Pickering Nuclear Fuelled Generating Station, General and technical information on the buildings and structures, reactor vessels, reactor physics, control, moderator, heat transport fluid, boilers, fuel, turbine generators, transformers, circuit breakers, and standby generation and switching.

PIT AND QUARRIES CONTROL ACT (S) (MNR) $1.00

Designed to control the operation of pits and quarries with respect to the operation's environmental impact, including the ensurance of the rehabilitation of excavation sites.

PLANNING A FIELD TRIP (J-I) (OH)

Information on field trips to Ontario Hydro's nuclear powered and hydro-electric generating stations. Outlines availability of teaching resources from Ontario Hydro.

POTATO STEM BORER IN FIELD CORN (I-S) (MAF)

A factsheet on the origin, distribution, effect and control (non-chemical) of the potato stem borer in field corn.

POWER FROM NIAGARA (I-S) (OH)

Details the planning, development and construction of the hydro-electric generating stations located at Niagara Falls. This historic sketch is accompanied by some very interesting pictures from these bygone days. Diagrams and explanations of the workings of a typical hydraulic generating station, with special reference to Sir Adam Beck-Niagara Generating Stations Number 1 and 2. The Decew Falls, Ontario Power, and Toronto Power Generating Stations are also discussed. Notes on the upkeep and rehabilitation of the area.

POWER FROM THE OTTAWA RIVER (I-S) (OH)

Briefly describes the four major generating stations located on the Ottawa River, with facts on the cost, location, capacity, in-service dates, and major facilities.

PRELIMINARY POPULATION PROJECTION: Ontario 1971-1991 (I-S) (MTEIA)

Historical trends in Ontario's population growth, and past projections, and predictions of the size of Ontario's population up to the year 1991. Assumptions and methodology are detailed. Bibliography.

PRODUCING MAPLE SYRUP (J-I) (MAF)

A factsheet on different aspects of the collection, refining and marketing of maple syrup.

PROSPECTS FOR THE EASTERN ONTARIO REGION: Design for Development (S) (MTEIA)

Report on the major economic and social issues facing the Eastern Ontario Region and some of the problems that will arise in its future development. Emphasizes the need for a plan to guide and control growth, and proposes a few alternatives for the future of this region.

PROSPECTS FOR THE GEORGIAN BAY REGION: Design for Development (S) (MTEIA)

Report reviews the development patterns in the Georgian Bay Region, discusses the region's prospects, and identifies issues that must be faced. Categorizes the problems as they relate to urbanization, tourism and recreation (particularly as they affect the environment), the changing character of the rural scene, and the need to examine alternatives for local government. Offers some examples of development patterns that could be encouraged and raises some of the many questions that must be asked and answered if the region is to develop a satisfying and workable plan.

PROSPECTS FOR THE LAKE ERIE REGION: Design for Development (S) (MTEIA)

Report discusses some of the issues facing the Lake Erie Region and offers examples of the kind of development patterns that could be encouraged. Details what is happening along the vibrant "big L" area formed by the three cities of Woodstock, London and St. Thomas, and looks at the possibilities of big development along the shore of Lake Erie and suggests some benefits and problems that could result.

PROSPECTS FOR THE LAKE ONTARIO REGION: Design for Development (S) (MTEIA)

Report discusses some of the issues facing the Lake Ontario Region and some of the problems that will arise in its future development. It points out the need for a plan and the fact that any realistic plan must take into account the enormous influence of the neighbouring Toronto-Centered Region. Report does not assume that all growth is good, but does assume that some measure of growth is both inevitable and desirable.

PROSPECTS FOR THE ST. CLAIR REGION: Design for Development (S) (MTEIA)

Report reviews development patterns in the St. Clair Region. In recent years the region's economy has enjoyed a healthy growth that has influenced settlement patterns and the trend toward concentration. Inevitably certain problems and constraints also exist for the region. The region's prospects and problems are spelled out briefly, but clearly, to show the choices that must be made if the St. Clair Region is to enjoy the benefits of a carefully designed plan.

PUBLICATIONS LIST (All) (MNR)

The Ministry of Natural Resources produces a list of publications for general distribution twice a year, in spring and fall. Includes materials from all branches of the Ministry.

QUITTING . . . A MIND GAME (I-S) (MNR)

Outlines a step-by-step process to help an individual to stop smoking.

RAINBOW TROUT IN THE GREAT LAKES (I-S) (MNR) $1.00

Details the introduction, establishment and present (1972) status of the Rainbow Trout in the Great Lakes Basin.

REDUCING BIRD DAMAGE IN FRUIT AND VEGETABLE CROPS (I-S) (MAF)

A factsheet on the species of birds feeding on fruit and vegetable crops in Ontario, the extent of damage, and methods of control.

RENEWING THE FOREST (I-S) (MNR)

Text and photographs explain many different aspects of forest renewal such as seed collection, nursery operation, site preparation, planting, care of the growing crop, and the planning and management of such activities.

RENEWING NATURE'S WEALTH (I-S) (MNR) $9.50

A centennial history of the management of lands, forests and wildlife in Ontario. 648 pp., illustrated.

REPORT ON POLLUTION OF AIR, SOIL AND WATER IN THE TOWNSHIP OF DUNN, MOULTON AND SHERBROOKE, HALDIMAND COUNTY (1968) (S) (GB) $1.00 paperback, $7.00 clothbound

Chapter headings include: industrial considerations, human health factors, effects of air pollution on soil and crops, effect of air polltuion on farm animals, on agricultural economic analysis, other physical damage, activities of the Ontario Water Resources Commission in the Port Maitland area, a look at the CBC film "Air of Death", general summary and recommendations. Findings and recommendations are specific to the areas noted in the title.

A REPORT ON THE USE OF DDT IN THE PROVINCE OF ONTARIO (I-S) (GB) $2.50

The report investigates the current (1969) status of DDT in Ontario, in 1969, prior to its banning in 1970, except for several very exclusive and limited uses. Deals with possible effects on human health and the environment, considers its economic importance, and makes recommendations as to current legislation. The report briefly discusses the properties of DDT and its history in Ontario. It then goes on to document its findings with respect to public health hazards, environmental hazards, economics of the situation and disposal of DDT, followed by the committee's recommendations.

REPTILES AND AMPHIBIANS OF ALONGQUIN PROVINCIAL PARK (J-I-S) (MNR) $0.50

Is an account of the 28 different kinds of reptiles and amphibians that have been found in Algonquin Park. 30 pp., 20 line drawings.

RESOURCE MANAGEMENT SERIES: Forestry (I) (MNR) (GB)

Series of ten booklets containing captioned photographs each illustrating a phase of forestry or a subject related to it. Subject matter is presented as a supplement to information obtainable from the school library or other sources. Subjects include:

1) Forest Tree Sod
2) Forest Nurseries
3) Forest Regeneration
4) Forest Protection
5) Forest Tending
6) Forest Harvesting
7) Forest Products
8) Forest Recreation
9) Forest Influences
10) Forests and Wildlife

RESOURCE RECOVERY CENTRE (I-S) (GB), two volume set $10.00

Volume One of this report to the Ministry of the Environment contains the findings and recommendations of a private firm contracted to establish an experimental reclamation plant as the first step towards the development of resource recovery centres. Volume Two gives general information on the make-up of solid waste industry, the background used to provide guidelines for the design flexibility incorporated in the layout of the proposed experimental waste reclamation plant described in Volume One.

RIVERS OF POWER:
The Ottawa-Madawaska System (I-S) (OH)

Eight generating stations located on the Ottawa and Madawaska Rivers supply 20% of Ontario's hydro-electric resources. Outlines location, capacity, in-service dates, and major facilities of each station. Includes a sample and pictures of each dam site.

ROCKS AND MINERALS INFORMATION (J-I-S) (MNR) (GB)

This booklet, published annually, contains a complete annotated listing of Geological and Earth Science publications available from the Ministry of Natural Resources, Division of Mines. It contains many publications not listed in this guide that may be of interest of the teacher/student studying such areas.

ROCKS AND MINERALS OF ONTARIO (J-I-S) (MNR) (GB) $1.00

This revised (1972) edition, with 70 photographs, 25 figures and 7 tables, describes the properties, occurrences and Ontario localities of 74 common minerals. Outlines a summary of Ontario's geological regions, and a lengthy description of the major economic mineral deposits of Ontario with information on their occurrence, production, history and geological features.

ROOT-LESION NEMATODE IN ONTARIO ORCHARDS (I-S) (MAF)

A factsheet on the nature, effect and control (soil fumigation) of the root-lesion nematode in Ontario orchards.

THE RUFFED GROUSE IN ONTARIO (J-I-S) (MNR) $0.50

General ecology and behaviour of the Ruffed Grouse. Discusses the influence of man, including management policies, on the Ruffed Grouse. Includes a brief section on hunting tips.

SALT DAMAGE TO ROADSIDE PLANTS (I-S) (MAF)

Report of a study by the Department of Environmental Biology, University of Guelph, on the effect of salt on roadside vegetation.

TO SAVE THE ESCARPMENT (S) (MTEIA) (GB) $1.00

Report of the Niagara Escarpment Task Force, submitted in December 1972, complete with maps and diagrams. Outlines the recommendations of the Task Force, examines an earlier study on the Niagara Escarpment, and summarizes the public's view of the issues. The objectives and implementation of the plan are discussed, with special reference to development control, assessment and taxation, land requisition, recreational resources, and pits and quarries. Contains a review of submissions to the Task Force.

SAVE YOUR BREATH:
Emphysema and Chronic Bronchitis (I-S) (MHE)

Respiratory diseases and their relationship to smoking and air pollution.

SEPTIC TANK SYSTEMS (S) (MOE) $0.25

A technical publication outlining the proper methods for septic tank installation.

SHRUBS FOR WILDLIFE (I-S) (MNR)

Lists 13 selected Ontario shrubs that are used by wildlife. Information on site requirements and species of wildlife that use the shrubs is provided. 1 page.

SMOKERS SELF-TESTING KIT (I-S) (MHE)

Four short tests to demonstrate what one knows about cigarette smoking and how one feels about smoking.

SOLID WASTE TASK FORCE (THREE VOLUMES) (I-S) (GB) $4.00/set

Volume One ($2.00) contains the general report of the Solid Waste Task Force, the report of the Beverage Packaging Working Group, and the report of the Milk Packaging Working Group.

Volume Two ($1.00) contains an environmental study of beverage packaging.

Volume Three ($1.00) contains statistical support for Volumes One and Two.

All three volumes are extremely detailed and together total 1,258 pages, therefore, consider your needs carefully and order only those volumes of use to your classroom activities.

SOME SOBER FACTS ABOUT DRINKING (J-I-S) (MHE)

One in a series of pamphlets cautioning people about the effects, problems and dangers of drinking, and encouraging the adoption of a no-drink or light drinking philosophy. Other titles in the series include "No Thanks", "I've Had Enough", "How About a Drink to Unwind", "Make Mine a Double", "This Round's on Me", "Sophisticated Drinking" and "Mix a Little Thinking with Your Drinking".

STATISTICS (I-S) (MNR)

Annual statistical report from each branch of the Ministry of Natural Resources. Statistics of the Ministry's activities in the past year, such as the number of trees felled and planted, natural gas and crude oil production, hunting and fishing, public use of Provincial parks, lands use, forest fires, finance, etc.

STUDIES OF THE RELATIONSHIP OF ENVIRONMENTAL LEAD LEVELS AND HUMAN LEAD INTAKE (I-S) (GB) $10.00

Detailed (408 pages) report on the sources, background levels, and human health effects of lead in Ontario. Reviews air quality standards criteria, legal options under current (1974) legislaton, lead levels near lead processing plants, and gives a summary of findings and recommendations.

SUGAR BUSH MANAGEMENT FOR MAPLE SYRUP PRODUCERS (I-S) (MNR)

A 44-page illustrated booklet written in understandable language, designed primarily as a practical guide for maple syrup producers in the management of the maple bush. Historical and other sections make this an acceptable reference and resource for elementary school teachers. This free publication may be obtained on request through the nearest office of the Ministry of Natural Resources or through Information Branch, Toronto.

SUMMARY OF HUNTING REGULATIONS, 197_ (S) (MNR)

Is prepared each year to provide information on hunting seasons, daily and possession limits, licences and hunting regulations. 24"x 25" folder.

SUMMER COOLING (I-S) (MHO)

Tips on summer cooling of your home.

SURVEY OF DUST-RADIATION-DIESEL EXHAUST IN URANIUM MINES AND MILLS AT ELLIOT LAKE, ONTARIO (S) (GB)

Dust, radiation and diesel exhausts in the two active mines and mills of the Elliot Lake area, and their effects on the health and welfare of the individuals working in this environment. Survey is part of a general study of the health of uranium mine and mill workers throughout Ontario.

SYSTEMS CONTROL CENTRE (I-S) (OH)

The nerve centre of Ontario Hydro's 250,000 square mile system.

THE TIMBER TRADE (I) (MNR)

A historical look at the timber trade in the Ottawa Valley in the last half of the 1800's. The transition from the forest industry then to the present is worth noting to the students.

TRANSPORTATION & ECONOMIC POLICY: Review of Current Issues. Ontario Background Paper at the 15th Annual Premiers' Conference, September 12 & 13, 1975 (S) (MTEIA)

Review of economic issues in the development of future transportation policy. Discusses federal and provincial jurisdiction over transportation, freight rates, urban transport, inter-urban passenger transport, and ports.

TREE INFORMATION, GENERAL (J-I) (MNR)

The Ministry of Natural Resources, Division of Forests, produces a number of leaflets supplying general information about trees. The titles of this group include the following:

1) How Trees Prepare for Winter
2) Tree Growth
3) Tree Age
4) Tree Anatomy
5) How a Tree Grows
6) What We Get From Trees
7) Lumber Production
8) Log Utilization
9) The Importance of Forests
10) The Distribution of Forest Trees (in Ontario)

Order by title as listed above.

TREES IN OUR ENVIRONMENT (I-S) (MAF)

A factsheet on the selection, planting, and care of trees, and a list of trees suitable for Ontario.

TROUT AND SALMON MIGRATORY ROUTES– SOUTHERN ONTARIO STREAMS (I-S) (MNR) $1.00 plus retail sales tax

A map showing former, present (1973) and potential migration routes of seven kinds of trout and salmon in the rivers of Southern Ontario. Information on the history and distribution of seven varieties of trout and salmon, and biological data on the times of migration, sexual maturity, instream duration of life, and weight.

UNDERGROUND HIGH-VOLTAGE TRANSMISSION (S) (OH)

Why high-voltage (500,000 volts) transmission lines cannot presently be placed underground. Also notes current experiments to overcome such problems and suggests other possible methods.

URBAN RENEWAL: Alexander Park, Toronto (S) (MHO)

Examines an urban renewal project in Toronto, which took place in the late 60's. Many pictures and sketches are included. Discusses pre-renewal problems, and the steps in planning the renewal program, and makes a final evaluation of the project. This publication may be useful in initiating or contributing to a discussion of the many issues involved in urban renewal.

URBAN TRANSPORTATION DEVELOPMENT CORPORATION FOLDER (I-S) (MTEIA)

Resource package containing pictures, pamphlets, booklets, and reports on the general topic of rapid transit for the urban centre.

VISIBLE EMISSIONS IDENTIFICATION (S) (GB) $2.00

Designed as a manual for the visible emissions identification workshop offered by the Ministry of the Environment, but is of potential use to anyone interested in various aspects of visible emissions, including their cause and regulation, classification and identification, legal aspects, principles of combustion and its control.

VISIT PICKERING (I-S) (OH)

Information on possible activities at Pickering Nuclear Power Station and how to arrange tours.

WASAGA RECREATIONAL COMMUNITY (S) (MTEIA) (GB)

Basic information about the range of planning programs that have been studied and initiated at Wasaga in past years. Encourages citizen participation in the development and implementation of the planning process.

WATER QUALITY GUIDELINES FOR BATHING BEACHES (I-S) (MHE) (GB) $0.25

Ontario's water quality criteria for bathing beaches.

WELLS AND WATER (S) (MOE)

A factsheet prepared to help in understanding the occurrence of ground water and to assist in developing well water supplies.

WHERE TO FIND COTTONTAIL RABBITS IN ONTARIO (J-I-S) (MNR)

Reprint from the Ontario Fish and Wildlife Review.

WHERE TO FIND RED-TAILED HAWKS IN ONTARIO (J-I-S) (MNR)

A two-page reprint from the Ontario Fish and Wildlife Review.

WHERE TO FIND WOODCOCK IN ONTARIO (J-I-S) (MNR)

Reprint from the Ontario Fish and Wildlife Review.

THE WHITE-TAILED DEER IN ONTARIO (J-I-S) (MNR) $0.50

General ecology and behaviour of the White-Tailed Deer in Ontario. Includes sections on the deer's appearance, occurrence, life history, habits, mortality factors, predators, food supplies, distribution, population, and relationship to man.

WHO NEEDS MORE ELECTRICITY? (I-S) (OH)

An Ontario Hydro pamphlet tackles four questions: "Who needs more electricity? ", "How do we get more power? ", "What about the environment? ", and "How does public participation work? ".

WHO WE ARE, WHAT WE ARE DOING FOR YOU (All) (MNR) (GB)

Describes some of the activities of the Ministry of Natural Resources and how to obtain more information about natural resources and their management from local District Offices.

WILDLIFE LAND MANAGEMENT FOR ONTARIO LANDOWNERS (I-S) (MNR)

Designed for use by the rural landowner, but is of potential value to anyone interested in habit restoration to maximize the variety and abundance of wildlife in any area. Specific attention is given to the Ruffed Grouse, Cottontail Rabbit, European Hare, Ring-Necked Pheasant, American Woodcock, Grey Squirrel, Snowshoe Hare, Bobwhite Quail, ducks and geese, shrubs for wildlife and trees for wildlife.

WILDLIFE MANAGEMENT AREAS IN ONTARIO (I-S) (MNR)

Twenty-four provincial wildlife areas are described and located on a map of southern Ontario. They are open year-round for outdoor recreation activities, including hunting during open seasons. Also, twelve wildlife extension landowner agreement areas are described. Many of these areas are suitable for outdoor and environmental education areas.

WILDLIFE MANAGEMENT AREAS IN ONTARIO (WILDLIFE SERIES NO. 1-20) (J-I) (MNR)

One-page mimeo sheets on each of 20 wild animals common to Ontario. Information on the animals' appearance, habitat, breeding and feeding habits, distribution and movement.

THE WISE USE OF ELECTRICITY (I-S) (OH)

Suggestions for the wise use (conservation) of electricity around the home.

WOLVES AND COYOTES IN ONTARIO (J-I-S) (MNR) $0.25

General ecology and behaviour of both the Wolf and Coyote in Ontario. Discussion of their appearance, distribution, numbers, life history, activity, food and feeding habits, relationship to people and management by the Ministry of Natural Resources.

YOUR COTTAGE, POLLUTION, AND YOU (S) (MOE)

A brochure on the Ontario Government's cottage pollution control surveys and programs with a section containing do-it-yourself suggestions to cottagers.

SECTION C
ANNOTATED DESCRIPTIONS OF AUDIO-VISUAL MATERIALS ON ENVIRONMENTAL EDUCATION

Note:

(i) The first bracket following each title indicates the appropriate educational division. P-primary (Jrk-3), J-junior (4-6), I-intermediate (7-10), S-senior (11-13).

(ii) In the bracket following each MNR film code is an MNR library number.

AGRICULTURE AND THE CHANGING ENVIRONMENT (1970)
Slides, black and white, 1 set of 78, (I-S) (MAF)

Agriculture's record in both exploiting and conserving the environment is reviewed. Outlines the conservation and pollution problems faced by early settlers, discusses how scientific agriculture is able to control environmental deterioration, and suggests ways to make the city a better place to live for future generations. U.S. production. Script.

AGRICULTURE AND THE ENVIRONMENT (1971)
Slides, colour, 1 set of 68, (I-S) (MAF)

Explains how environmental pollution has evolved over a period of years and how agriculture fits into the picture. Also explains the changes in technology that have affected the environment, and discusses how the agricultural community has contributed to pollution and what is being done to remedy the situation. The pollution paradox is also explained: many activities blamed for contamination are needed to meet the demands of the world's food needs and the needs of agricultural efficiency.

AGRICULTURE SCIENCE PROTECTS OUR ENVIRONMENT (1967)
Slides, colour, 1 set of 49, (I) (MAF)

How agricultural scientists help to control pollution. The slide set discusses air and water pollution and gives examples of testing and discoveries made by agricultural scientists in pest control, waste management, and crop improvement. U.S. production. Script.

AGRICULTURAL WASTE MANAGEMENT (1970)
Film: colour, 18 minutes, 2 copies, (I-S) (MAF)

Disposal of animal wastes is an ever-present problem in the rural environment. This film outlines different methods of disposal including underground storage of liquid manure, plowing manure under the topsoil, liquid soil injection, and composting. While this film is intended for the farmer, it is a valuable introduction to the topic of agricultural waste management.

AIR POLLUTION:
Cause and Effects on New York State Plants (1973)
(I-S) (MAF)

Transportation, industry, electrical power generation, and refuse disposal are a few of the major sources of air pollution. This slide set examines the effects on plants of air pollutants, such as sulfur dioxide, ozone, nitrogen dioxide, anhydrous ammonia, chlorine, and hydrogen flouride. This study was conducted in New York State, but similar plant life exists in Ontario. Audio tape.

AMERICAN ELM FOR BEAUTY OR BEETLES (1963)
Film: colour, 20 minutes, 1 copy, (I-S) (MAF)

Deals with the breeding habits of the elm bark beetle, its life-cycle within the tree, the spread of the disease throughout the northeastern United States, and methods of control.

THE AQUATIC ECOLOGIST
Film: colour, 32 minutes, 1 copy (I-S) (MNR) (F-10)

Research and management by individuals and agencies concerned with fish and allied aquatic resources, i.e. lamprey control in the Great Lakes, development of a trout hybrid for restocking, environmental monitoring at the site of a nuclear power station, and the efforts of Canadian and American ecologists to save the Atlantic Salmon.

ARCTIC BORDERLANDS IN WINTER
Film: colour, 10 minutes, 1 copy, (J-I) (MNR) (W-3)

Wildlife that has adapted to this northern environment: grouse, ptarmigan, hawk, shrike, finch, woodpecker, Canada Goose, and caribou.

ARTERIES OF LIFE (1954)
Film: colour, 10 minutes, 1 copy (I) (MAF)

Water and forests are important elements in the chain of life. Topsoil cannot support life without water. Water depends on forests which provide humus to store and regulate its flow. While the film is rather old, it is still useful in introducing concepts of ecological interdependence between the hydrological cycle and the terrestrial ecosystem.

ATOMIC ENERGY IN CANADA
Film: colour, 30 minutes, 1 copy, (S) (MNR) (MG-2)

Nuclear energy seems destined to become our major source of energy in the near future. This film details the nuclear fission process with reference to the Canadian CANDU reactor in its early stages of research and development in Ontario. Hazards of nuclear energy, both real and potential, are not considered in the film.

BEAR COUNTRY
Film: colour, 31 minutes, 1 copy, (P-J) (MNR) (W-76)

The ecology and behaviour of the black bear, and several other forms of wildlife found in the bear's vast North American range, is examined in this Walt Disney film. A rather light and amusing approach is taken.

BEAVER VALLEY
Film: colour, 35 minutes, 1 copy, (P-J) (MNR) (W-57)

The ecology and behaviour of the beaver, deer, moose, chipmunk, salmon, trout, racoon, hawk, owl, coyote and several other animals are briefly examined in this Disney film. A rather light and amusing approach is taken.

BIG FOUR—OUTDOOR HERITAGE
Film: colour, 25 minutes, 1 copy,
(J-I-S) (MNR) (W-69)

While this film is somewhat dated, it reviews three basic concepts of ecology; limiting factor, carrying capacity, and population turnover. Critically examined is man's influence in these natural processes of population limitation. Also described is the concept of harvestable surplus.

BIRD NEIGHBOURS
Film: colour, 10 minutes, 1 copy, (P-J) (MNR) (W-7)

Familiar Canadian birds in their natural surroundings with close-ups of the birds' plumage and activity. Shows how to build bird houses and attract birds. Among the birds shown are the bluebird, tree swallow, wren, goldfinch, cardinal, chickadee, grosbeak, oriole, catbird, nuthatch and woodpecker.

BIRDS OF CANADA III
Film: colour, 11 minutes, 1 copy, (All) (MNR) (W-9)

The distinguishing markings, calls, migration patterns, care and protection of the young, feeding habits and habitat of the killdeer plover, nighthawk, and cedar waxwing are the subjects of this simple film.

BIRDS OF CANADA IV
Film: colour, 10 minutes, 1 copy, (All) (MNR) (W-10)

The distinguishing markings, calls, migration patterns, care and protection of the young, feeding habits and habitat of the spotted sandpiper, sara rail and barrows' golden-eye duck are the subjects of this simple film.

BIRDS OF CANADA V
Film: colour, 10 minutes, 1 copy, (All) (MNR) (W-11)

The distinguishing markings, migration patterns, care and protection of the young, feeding habits and habitat of the yellow-shafted flicker, chestnut warbler, and mountain bluebird are the subjects of this simple film.

BIRDS OF CANADA VI
Film: colour, 9 minutes, 2 copies, (All) (MNR) (W-12)

The distinguishing markings, habitat and typical activity of the pileated woodpecker, yellow-bellied sapsucker, and common loon are studied in this simple film.

BIRDS THAT LIVE NEAR PEOPLE (1967)
Slides, colour, 1 set of 60, (J-I) (MAF)

Shows many of the birds with which most of us are familiar. Potential for use in preparation of bird studies outdoors. Captions.

BIRTH OF THE SOIL (1954)
Film: colour, 10 minutes, 2 copies, black and white, (J) (MAF-1) (MNR-1)

How nature produces life-giving topsoil from the basic raw materials of rock, air, and sunlight by the processes of plant growth decay and photosynthesis. (Although the film is old, the ecological inter-relationships of the above components are clearly evident.)

BLACK CREEK PIONEER VILLAGE (1967)
(also entitled PIONEER VILLAGE)
Film: colour, 22 minutes, 16 copies, (I-S) (MAF-1) (MIT-15)

Situated on the outskirts of Metropolitan Toronto, this reconstructed village shows the life of its settlers in the mid-nineteenth century. The film provides the viewer with an insight into this by-gone era as the pioneers' daily activities are reviewed. The ideas of growth, progress and modernization could be useful in introducing a class discussion on such values, ethics and ideas. The students could trace such concepts to modern day life, or simply compare the two life styles.

BLACK DUCK
Film: colour, 20 minutes, 1 copy, (J-I-S) (MNR) (W-30)

The ecology and behaviour of the black duck, including its habitat, mating and nesting habits, care and protection of predation and feeding habits, are examined. The operations of "Ducks Unlimited" and other agencies to establish favourable environments for ducks is included, along with scenes showing duck hunting.

BOREAL FOREST
Film: colour, 19 minutes, 1 copy (J-I-S) (MNR) (C-11)

The northern coniferous forest is shown as an ecological community. White spruce, black spruce and balsam fir are shown along with other boreal conifers, deciduous trees, and smaller forms of vegetation. The positive effects of fire in reforestation are outlined. Energy transfer through this ecosystem is illustrated. Also shown are some of the more common insects and birds that inhabit the boreal forest. Small mammals such as the hare, squirrel, and chipmunk are included, as well as larger mammals such as the moose, deer, and timber wolf. The film stresses how each member of the community is related to and dependent on all other members.

BOURLAUG, NORMAN–REVOLUTIONARY (1972)
Film: colour, 15 minutes, 1 copy, (I-S) (MAF)

Norman Bourlaug is a Nobel Peace Prize Winner involved in a revolution against hunger. This film shows him explaining the "green revolution" to an audience after receiving the Peace Prize in 1970; it also shows him in Mexican wheat fields telling an interviewer about his work. This film could be useful in initiating a discussion on a variety of subjects, including starvation, overpopulation, problems of monoculture, and the chemical control of insects.

BRIGHTER TOMORROWS (1968)
Film: colour, 14 minutes, 11 copies, (S) (MHO)

Growth in Ontario has brought both benefits and problems. The human influx has created tremendous strains on the housing market. "Brighter Tomorrows" illustrates step by step the methods followed by the Ontario Housing Corporation in programs to help various income groups meet their housing needs, including young couples, low and middle income families, senior citizens, and students.

BUILDING TO A DIFFERENT DRUMMER (1972)
Film: colour, 15 minutes, 7 copies, (S) (MHO)

Describes the condominium concept of housing and one of the building systems (pre-fabricated structural materials) of modern construction. "Building to a Different Drummer" documents the progress of Chapel Glen, and OHC condominium project, from site selection and preparation through component manufacturing and installation, to the furnishing of a completed suite. The industrial process of systems building is detailed.

CAMOUFLAGE IN NATURE THROUGH FORM AND COLOUR MATCHING
Film: colour, 8 minutes, 1 copy, (J-I-S) (MNR) (W-16)

This film reviews the major ways in which living things are camouflaged, including protective resemblance, mimicry, counter-shading and some exceptions to counter-shading.

CAMOUFLAGE IN NATURE THROUGH PATTERN MATCHING
Film: colour, 10 minutes, 1 copy, (J-I-S) (MNR) (W-17)

Examples of birds and animals that are camouflaged by pattern-matching, including those which conceal themselves by curious markings, adaptable skin colour changes, and age and sex differences in patterns and colouring.

CAMOUFLAGE–NATURE'S PROTECTION
Film: colour, 10 minutes, 1 copy, (P-J-I) (MNR) (W-71)

The role of camouflage is reviewed, including why some animals depend on such characteristics and others don't.

CANADA GOOSE
Film: colour, 7 minutes, 1 copy, (All) (MNR) (W-27)

The sounds of honking Canada geese pierce the air as they carry on typical activities such as nesting, raising the young, feeding and migration. No narration.

THE CHANGING FOREST (1958)
Film: colour, 20 minutes, 3 copies, (I-S) (MAF-2) (MNR-1)

Ecology of a deciduous forest area of the type found along the southern fringes of the Laurentian Shield, showing wildlife and vegetation common to the area. Shows basic ecological principles, including competition between different types of vegetation in a deciduous forest and their respective adoptive advantages, succession, and balance. The film takes the viewer through the four seasons. Though old, this is an excellent film.

CHANGING MAPLE COUNTRY (1965)
Film: colour, 23 minutes, 2 copies, (J-I) (MAF-1) (MNR-1)

Shows different techniques for gathering and processing maple syrup. The area studied is New York State. The film is very thorough in its coverage of the activities involved in the process from tree to table.

THE CHANGING RESOURCE
Film: colour, 28 minutes (I-S)

Is a complete teaching package consisting of a 28-minute 16 mm. colour film, a teacher's guide and teaching kit. This resource material designed for Grades IX to XII deals with forests and land use and how these resources and their use are changing. A comparison of land use and resource utilization is drawn between Prince Edward County and the Temagami area. The film and kit may be purchased through the Ontario Institute for Studies in Education, 252 Bloor Street West, Toronto.

CHEMICAL CONQUEST (1956)
Film: colour, 24 minutes, 1 copy, (I-S) (MAF)

Insects, plant diseases and weeds threaten crops. This film examines chemical research and traces development of a new pesticide from lab to land. The film notes how modern man's mono-agriculture results in an unnatural and unbalanced state that leaves crops open to attack by pests. The film examines other questions about the ultimate effects of toxic substances on food-producing soil, humans, and non-human life, including insects considered to be of a beneficial nature.

THE CHOICE IS YOURS
Film: colour, 13 minutes, 9 copies, (I-S) (MOE)

A Ministry of the Environment film designed for general audiences but perfectly suitable for classroom use. It combines elements of historical significance of water in Ontario's development, while capturing the seriousness of the present pollution problem. After stating government's responsibility in combatting the problem, the film calls for the viewers' committed assistance.

THE CITY:
Cars or People (1963)
Film: black and white, 30 minutes, 1 copy, (I-S) (MTEIA)

Lewis Mumford narrates and directs most of this film. A brief look at the history of transportation is followed by an examination of the impact of the automobile on the land and the people. Pollution, congestion, road construction, competition for space, and the growth of suburbia are factors that are given consideration. The need for planning now and for the future with respect to our transportation needs is emphasized. Though somewhat dated, this is still an excellent film for introducing the common ills of transportation in an urban centre.

CLEAN WATERS
Film: colour, 18 minutes, 1 copy, (I-S) (MNR)

Points out the benefits of clean streams and waterways and demonstrates the dangers from polluted waters to public health, fish life, property values, and recreational areas.

COLOUR OF LIFE
Film: colour, 24 minutes, 1 copy, (S) (MNR) (W-20)

A detailed look at basic physiological processes in plants. Included is an anatomical study of the leaf and a description of the process of photosynthesis. The maple tree is used as the example throughout the film.

CONSERVATION AND BALANCE IN NATURE (1966)
Film: colour, 18 minutes, 3 copies, (I-S) (MAF-1) (MNR-2)

This excellent film investigates the balance in natural ecological systems as related to the question: What is man doing to his environment? Inter-relations of organisms in food webs is delicately balanced. A wide variety of animal adaptations is shown and their significance to community balance is discussed. The examples are used to stress that adaptation is measured in terms of reproductive success. The role of man in altering the existing balance in biological communities is examined critically. The film is most effective if the students have some prior knowledge of such ecological concepts as: adaptation, habitat, reproductive success, succession, food chains and energy transfer in a ecosystem.

CONSERVATION OF NATURAL RESOURCES
Film: black and white, 10 minutes, 2 copies, (J-I) (MNR) (C-3)

Though dated, this film is of potential use to anyone interested in the general impact of man on the environment. The results of wastage of natural resources and how such waste can be prevented is the major subject of this film. It shows the depletion of forests, effects of wind and water erosion, wastage of mineral resources, inappropriate killing of wildlife and some of the steps being taken to conserve such resources.

CREATURES OF THE FOREST
Film: colour, 14 minutes, 11 copies, (P-J) (MNR) (W-54)

This film looks at some animals native to Ontario, including the saw-whet owl, timber wolf, muskrat, meadow mouse, grouse, beaver and many others.

DANGER POISON (1968)
Film: colour, 14 minutes, 1 copy, (P-J) (MAF)

The viewer learns the proper use and storage of virtually all dangerous products likely to be encountered in the home. Designed for showing to children of elementary school age who are starting to use potentially poisonous substances such as plastic glue, detergents, and cleaning fluids.

DEER FAMILY OF NORTH AMERICA
Film: colour, 18 minutes, 1 copy, (I-S) (MNR) (W-65)

A detailed examination of the origins, ranges, habitat, characteristics and life histories of the North American members of the deer family: moose, elk, caribou and deer.

DOWNSTREAM
Film: colour, 15 minutes, 1 copy, (J-S) (MNR) (MG10)

A short film on International Nickel's answer to water pollution. It shows what can be done to recycle and control the purity of water used in industry and particularly what INCO has done in Sudbury.

EFFECTS OF AIR POLLUTION ON PLANT LIFE (1972)
Slides, colour, 1 set of 105, (S) (MAF)

Three major types of plant life—vegetables and fruit, field crops, and oranmental plants and trees—are examined and the cause of damage is identified. The slides go into very little detail and as a result the lesson is largely a visual experience.

ENVIRONMENT ONTARIO
Film: colour, 23 minutes, 12 copies, (I-S) (MOE)

This film provides a look at the pollution problems in this Province, some of the solutions, and the role of the Ministry of the Environment and its staff in managing the environment in Ontario. This is one of the most recent of the films produced by the Ministry of the Environment, and is recommended by then as a "first choice" for those interested in an overview of the environmental problems in the Province.

THE ERIE REPORT (1969)
Film: colour, 55 minutes (2 reels), 1 copy, (I-S) (MAF)

Presents a chilling picture of environmental misuse of one of our most important natural resources–fresh water. The audience is taken on a tour of Lake Erie as the film reviews man's misuse of the lake. Includes a study of the major cities, rivers, and industries which contribute to the lake's pollution. To what extent has Lake Erie's condition improved? Is this fact or fantasy?

FLY GEESE FLY (1972)
Film: colour, 10 minutes, 15 copies, (P-J) (MIT)

This is a "Walt Disney-type" film of a nature photographer and his family raising three wild geese, and their interesting experiences from the city to the north woods. The affection that develops between the family and the geese adds a special warmth to the film.

FOODS:
Fads or Facts (1973)
Film: colour, 17 minutes, 1 copy, (I-S) (MAF)

Health food enthusiasts claim that food grown organically are far better for us than commercially grown fruits and vegetables. This documentary shows that chemical fertilizers, pesticides, herbicides, and food additives are necessary to produce enough quality food for the world's population. The film supports the notion that there is no nutritional advantage to organic food over food purchased from a regular market.

FOREST CONSERVATION
Film: colour, 10 minutes, 1 copy, (J-I) (MNR) (FM4)

The film tells of the consequences of mismanagement. Only 43 trees in 100 are properly utilized. The small landowner is identified as the major problem in proper tree utilization. The film concludes by reviewing examples of conservation practices in the forests such as selective cutting, reforestation programs, and fire protection.

THE FOREST GROWS
Film: colour, 10 minutes, 1 copy, (J-I) (MNR) (C-5)

The forest is presented here as an ecological community. The process of photosynethesis is explained along with succession in a typical forest community. The film also explains how trees in different forest regions (i.e. successive stages up a mountain) have adapted to their environmental conditions including temperature and rainfall.

THE FOREST REGIONS OF CANADA
Film: colour, 18 minutes, 1 copy, (J-S) (MNR) (FM25)

The different forest regions of Canada (Boreal, Coastal, Sub-alpine, Montane, Columbia, Deciduous, Pine, and Acadian) are identified, according to their range and species characteristics. Man's various uses of the forests are reviewed along with the problems associated with such use.

THE FOREST:
Of Trees and Logs
Film: colour, 15 minutes, 1 copy, (J-S) (MNR) (C-30)

This film enables the student to understand the essence of forests worldwide. The forest is presented as an ecological community and explored as a place of life, providing both food and shelter for its inhabitants. Man, in his quest to exploit the natural resources of the world, is fast whittling away at the remaining forests of the world. The film notes that when left to itself–or when aided by man–the forest can rejuvenate itself if the topsoil is not washed away.

FOREST TENT CATERPILLAR (1955)
Film: colour, 18 minutes, 5 copies, (I-S) (MAF-3) (MNR-2)

The film studies the forest tent caterpillar, showing the damage it inflicts on the deciduous forest. Close-up photography reveals the caterpillar's life cycle and feeding habits, tracing its development from egg-laying through larva and pupa stages to the emergence of the lackey moth. The film also shows how the caterpillar population is controlled by natural means, such as predation by other insects. The ecological message of the film is that of natural checks and balances in ecosystem population dynamics.

FORESTS FOR THE FUTURE
Film: colour, 28 minutes, 6 copies, (J-I-S) (MNR) (FM24)

The consequences of a lack of management, or mismanagement, of forest reserves are shown in this film. It then goes on to review the reforestation program of the Ontario Ministry of Natural Resources including the production of seeds, nursery activities and the actual reforestation of cleared land. The film shows extensive timber operations being carried out using the most modern equipment.

FORESTS FOREVER (1970)
Film: colour, 18 minutes, 11 copies, (I-S) (MAF-1) (MNR-10)

This film takes a good look at the importance of the forests to the environment and the need for thoughtful and careful planning and management in the forest industry. It shows how insect and disease infestations are plotted, and how selection of trees for both the lumber and pulp and paper industry is scientifically handled to preserve the forests.

GARBAGE COMPOSTING (1972)
Film: colour, 5 minutes, 2 copies, (I-S) (MAF)

A new method of treating city garbage by combining it with farm animal wastes, and utilizing the product as a fertilizer for agricultural purposes, is evolving from research at the University of Guelph. Conducted by Dr. R.G. Bell, the project could mean an important breakthrough in pollution control. An ideal mate for this film is "Garbage Fertilizer" (5 minutes), also available from the Ministry of Agriculture and Food.

GARBAGE FERTILIZER (1972)
Film: colour, 5 minutes, 1 copy, (I-S) (MAF)

New alternatives to land-fill sites for the disposal of garbage are being tried and tested. One method under experimentation is the composting of municipal garbage with liquid sewage sludge, which is mixed in the soil. Soil scientists have been successful in using the products of the decomposition to grow a crop of corn. An ideal mate for this film is "Garbage Composting" (5 minutes), also available from the Ministry of Agriculture and Food.

GRASS ROOTS IN THE SOIL (1950)
Film: black and white, 20 minutes, 1 copy, (I-S) (MAF)

The story of the State of Iowa: from the time when it was a fertile prairie, through the period when the fertility was lost by improper planting and conservation practices, to the moment of realization that it was grass-hay crops that gave the land its fertility. Finally, it shows the beginning of operations to restore the land to its original richness. While the film is quite old and specific to the State of Iowa, the general principles of land management and conservation apply to most agricultural areas.

HEADWATERS
Film: colour, 28 minutes, 2 copies, (I-S) (MNR) (F8)

An in-depth study of the ecology and behaviour of the smallmouth bass from birth to death. The film also shows various other forms of life commonly found in such waters.

HEAR, IT TAKES TWO (1969)
Film: colour, 20 minutes, 1 copy, (I-S) (MAF)

While this film is geared to industrial workers exposed to high noise levels, it can be used as a teaching aid or introductory session for a study of noise pollution. Divided into two parts, it shows the workers' responsibility in protecting their hearing for the sake of their employers, family, and themselves. In part one, workmen tell their own stories of why ear protectors must be worn in noisy areas. Part two explains how the ear works, and how noise can damage hearing, and lists the danger signals.

HONEYBEE (1955)
Film: black and white, 10 minutes, 2 copies, (P-J) (MAF)

In this film we see an excellent example of a well-organized and co-operative community, where the success and well-being of the individual takes secondary importance to that of the survival of the hive or community.

HOW LONG WILL IT LAST (1950)
Slides, black and white, 1 set of 71, (J-I) (MAF)

Concerned with soil conservation. It shows how man is dependent on the soil for food, clothes, and shelter. It then goes on to show how man has misused the earth's soil, leaving one to decide how long the soil will continue to provide. Captions.

HOW MAN CONSERVES SOIL (1950)
Slides, black and white, 1 set of 59, (J-I) (MAF)

Outlines many methods man has used to protect soil. These include fertilizing, crop rotation, cultivation, contour farming, strip cropping, mulching, irrigation, and several other practices. Captions.

HOW MAN HAS USED THE SOIL (1950)
Slides, black and white, 1 set of 60, (J-I) (MAF)

Concerned with land conservation. A brief history. Proper land management is encouraged. Captions.

HOW SOIL IS FORMED (1950)
Slides, black and white, 1 set of 79, (J-I) (MAF)

Gives a detailed explanation of how rock turns into soil. All the elements that contribute to rock disintegration and eventually soil formation are discussed. Captions.

IN SEARCH OF SOLUTIONS (1971)
Film: colour, 29 minutes, 7 copies, (S) (MHO)

The film is a record of the 19th (1971) Annual Conference on Housing of the Association of Ontario Housing Authorities. It reports the activities of the delegates, and reveals through their debate some of the challenges of public housing planning and operations.

THE INSECT WAR (1972)
Film: colour, 40 minutes, 1 copy, (S) (MAF)

This excellent film discusses why we are so dependent on methods of pest control in today's world, and the problem of continuing insect adaptation to chemical methods of control. The relationships that exist in the insect world and the effects of various pesticides on that world are described. The film discusses and gives examples of successful cases of biological control.

INTEGRATED CONTROL OF ORCHARD INSECTS (1970)
Film: colour, 25 minutes, 1 copy, (S) (MAF)

This is a film on integrated control of insects, but background knowledge in the area of insect control is needed, i.e. this is not an introductory film. Integrated control as described in this film is an effective preventive method and has produced a high yield of clean fruit. Techniques, methods and instruments are shown. The film also shows insects that cause the most damage, and explains how the use of predators like lace-wings, assassin bugs, and lady-bird beetles, combined with spraying techniques, achieve a high degree of control.

THE INVISIBLE RIVER
Film: colour, 19 minutes, 4 copies, (J-I-S) (MOE)

Produced by the Ministry of the Environment for a general audience, this film holds special appeal for most students. The construction of a water supply system to carry water from the Great Lakes to an inland community is compared to building a children's sand castle on a beach.

LAND OF THE LOON
Film: colour, 26 minutes, 1 copy, (J-I-S) (MNR) (W-5)

A film showing a variety of birds and mammals to be found in Algonquin Provincial Park.

LAND USE–HURON COUNTY
Film: colour, 10 minutes, 10 copies, (I-S) (MAF)

This film was produced especially for the 1972 Land Use Conference. It poses several questions dealing with land use as it affects the agricultural future of Huron County. Designed not to answer questions, but rather to stimulate thinking and discussion in students on the important issue of land use planning.

LANDS IN JEOPARDY (1968)
Film: colour, 19 minutes, 2 copies, (I-S) (MAF)

The indiscriminate appropriation of good farmland for highways, industry, and housing is having a profound effect on the agricultural industry. These problems as they affect New York State are looked at and some alternatives suggested. Some of the problems discussed in the film are relevant to Ontario. This is a good film in the area of land use planning.

LANDSCAPE
Film: colour, 28 minutes, 13 copies, (J-I-S) (MNR) (FM27)

Produced as a teaching aid to stimulate discussion on forest resources. Accompanied by a teaching guide suggesting previewing and follow-up activities.

LARGE ANIMALS OF THE ARCTIC
Film: colour, 22 minutes, 1 copy, (J-I) (MNR) (W-77)

A film in which the viewer is shown various species of wildlife common to the northern tundra, including the musk ox, caribou, wolf, and wolverine.

LIFE IN A GARDEN (1954)
Film: colour, 20 minutes, 1 copy, (P-J) (MAF)

This film has no deep or hidden messages but simply shows a garden and all its inhabitants–including the bumble-bee, caterpillar, ant, hornet, spider, tree frog, praying mantis, and several different birds.

LIFE IN THE WOODLOT
Film: colour, 16 minutes, 1 copy, (J-I) (MNR) (W-58)

Plant and animal life common to a woodlot are shown. The film stresses interdependence of plant and animal life, and the natural system of population checks and balances.

THE LONGHOUSE PEOPLE
Film: colour, 30 minutes, 1 copy, (I-S) (MNR) (M-9)

The student is exposed here to the life and ways of the Longhouse People. An Indian chief lives in a house and owns a truck and tractor. However, his philosophy of life has its roots in his ancestors. "The earth is our mother. Live like good children. Take only enough to eat. Destroy nothing."

MAPLE SYRUP MAKERS (1973)
Film: colour, 17 minutes, 5 copies, (J-I) (MAF)

This film, made on location in central and western Ontario, demonstrates the advantages of more efficient methods of maple syrup making. Different operations in the region are visited and their procedures reviewed. This film may provide an interesting introduction for younger students.

THE MARSH COMMUNITY
Film: colour, 11 minutes, 1 copy, (J-I-S) (MNR) (W-75)

The marsh is presented as an example of an ecosystem in transition. The film explains why marshes change. It points out how members of the marsh community have adapted to this, and asks questions about their future as natural succession occurs.

MULTIPLY AND SUBDUE THE EARTH
Film: colour, 60 minutes (2 reels), 1 copy, (I-S) (MNR) (C-31)

This excellent film examines the history of our attitudes towards the rest of nature and how they have become ones of mastery, conquest and dominance. The consequences are explained. The impact of the Judeo-Christian doctrine in the development of western man's attitudes is critically examined. Environmentalist Ian McHarg offers his opinions throughout the movie. The development of an environmental ethic is encouraged. Part II examines various aspects of the land use problem in a number of localities throughout the United States.

NATURE'S HALF ACRE
Film: colour, 45 minutes, 1 copy, (J-I) (MNR) (W-38)

A Walt Disney film depicting the continuity of life in birds, plants and insects in a light and humourous way. It emphasizes the natural system of checks and balances that limits all of nature's populations.

NOISE CONTROL IN THE PROVINCE OF ONTARIO (1975)
Slides, colour, 15 sets of 80, (I-S) (MOE)

This audio-visual kit from the Ministry of the Environment is loaned to the teacher two weeks. The first 56 slides review the problem of noise in Ontario and the work of the Ministry of the Environment in this area, with reference to the Model Municipal Noise Control Bylaw. The next 10 slides evaluate the students' comprehension of the show, and the remaining slides are supplementary, reviewing basic concepts of sound and how it is produced. The kit also contains a variety of literature that the teacher may keep. A cassette tape commentary is loaned for the showing. Order from:

Educational Resources Co-ordinator,
Information Services,
Environment Ontario,
135 St. Clair Avenue West,
TORONTO, Ontario M4V 1P5

NUCLEAR POWER DEMONSTRATION
Film: colour, 30 minutes, 1 copy, (I-S) (MNR) (MG-22)

Produced for Atomic Energy of Canada Limited, this film describes the operation of a nuclear reactor and the development of electric power from the atom, with respect to Canada's CANDU reactor. The dangers of nuclear power development (i.e. disposal of radioactive "spent" fuel bundles is not dealt with in any detail.)

ONE SPRING DAY
Film: colour, 10 minutes, 1 copy, (J-I-S) (MNR) (M-5)

The world of insects and flowers is explored in this film. An oil-covered ocean is seen in relation to an oil refinery. Burnt-over chaparral, destroyed by man, slowly rejuvenates. There is no narration to accompany this film though the sounds of the area are present.

ONTARIO MAPLE SYRUP (1969)
Slides, 1 set of 75, (J-I) (MAF)

Designed to introduce Ontario's maple syrup industry. A historical outline of the making and use of maple syrup is followed by an explanation of modern syrup production. The uses of maple syrup are discussed briefly. This may act as a possible aid in introducing the younger student to the study of natural resources. Audio tape.

OUR CHANGING FAMILY LIFE (1957)
Film: black and white, 22 minutes, 1 copy, (I-S) (MAF)

This film contrasts the closely integrated farm family life of 1880 with the family life of the 1950's. The age of this film could be seen as a benefit, i.e. can the students discover any further changes between family life in the 1950's and that of the 1970's? Are these changes favourable or unfavourable and for whom?

OUR CHANGING SHORES
Film: colour, 18 minutes, 1 copy, (J-I-S) (MNR) (MG25)

The factors responsible for the changing shoreline features (erosion) of Lake Erie are examined, along with the steps being taken to curtail further erosion.

PATTERNS OF THE WILD (1969)
Film: colour, 26 minutes, 2 copies, (J-I) (MAF)

Demonstrates the interdependence of all life forms and stresses the nature and balance of predator-prey relationships. The film follows a red fox in his daily search for food. Birds and animals are presented in their natural habitat and their survival behaviour patterns are traced through the course of a year.

PESTICIDES AND THEIR SAFE USE IN AND AROUND THE HOME (1969)
Slides, colour, 1 set of 48, (I-S) (MAF)

Designed to make people more aware of the need for safe use of these poisonous chemicals and to suggest alternatives. Viewers are advised where and when to use pesticides and how to store and dispose of containers.

PESTICIDES IN FOCUS (1971)
Film: colour, 25 minutes, 1 copy, (S) (MAF)

Produced by Shell Oil Company, this film supports the use of pesticides in attempting to answer questions, doubts and fears concerning pesticides. It tells of the intensive research efforts and of the continuing control and checks devoted to ensuring that pesticides can be used without hazard.

THE PHOTOSYNTHESIS AND RESPIRATION CYCLE (1970)
Film: colour, 15 minutes, 1 copy, (S) (MAF)

Emphasizes the interdependence of the plant and animal worlds and presents the complementary processes of photosynthesis and respiration as parts of one great cycle. By means of animation, the viewer is taken inside the molecular structure of a leaf and of a muscle for a microscopic look at their functions. This film is excellent for teaching this highly complex chemical interchange but some basic knowledge of chemistry or the processes themselves is advisable.

PIONEER LIFE:
The Home (1973)
Film: colour, 10 minutes, 10 copies, (I-S) (MIT)

This film gives a comprehensive look at the home life of our pioneer ancestors. This film may be useful in initiating or contributing to a study or discussion of alternative life style.

PIONEER VILLAGE (1973)
Film: colour, 20 minutes, 15 copies, (I-S) (MIT)

Situated on the outskirts of Metropolitan Toronto, this reconstructed village shows the life of its settlers in the mid-nineteenth century. The film depicts pioneer man's relationship to the environment as it shows various activities of an average farmer in the field and house. While the film supports the idea of growth, modernization and mechanization, it may be useful in initiating or contributing to a study of alternative life styles.

PIPELINE TO THE CLOUDS
Film: colour, 25 minutes, 1 copy, (J-I) (MNR) (C-13)

The story of water supply told in a dramatic and entertaining manner. The film covers sources of water, reasons for water shortages, how shortages are being met, and what citizens can do to assure an abundant supply of safe water in the years ahead.

POISONS PESTS AND PEOPLE (1960)
Film: colour, 60 minutes (2 reels), black and white, 3 copies, (I-S) (MAF-2) (MNR-1)

Experts examine the effects of widespread use of chemical insecticides both on the insect population and on warm blooded creatures, including human beings. Part I examines the ravages of insects and man's centuries-old struggle to keep them under control. Part II shows experiments being conducted to find means of controlling specific insects, while not affecting others.

THE POND
Film: colour, 20 minutes, 2 copies, (J-I-S) (MNR) (W-42)

The pond is studied as an ecological community. The film stresses the balance that exists in the area in and around the pond by the interdependence of plant and animal life.

THE PRAIRIE CHICKEN IN MISSOURI
Film: colour, 12 minutes, 1 copy, (J-S) (MNR) (W-43)

The ecology and behaviour of the prairie chicken, a threatened native bird of Western Missouri, is presented here. The prairie chicken is one of many life forms threatened through habitat destruction.

PROBLEMS OF SOIL CONSERVATION (1969)
Film: colour, 14 minutes, 1 copy, (I-S) (MAF)

This film explains the importance of soil resources to an expanding society. It portrays some of the ways in which man abuses soil resources and demonstrates methods of reclaiming soil and maintaining its quality. The film emphasizes that care of the soil is especially important today as demands on soil resources are increasing along with our growing population.

RADIATION (1959)
Film: colour, 27 minutes, 1 copy, (I-S) (MAF)

From a sun-drenched bathing beach to an awesome gamma garden, this film explores how heat, radio waves, X-rays and gamma rays affect various forms of life. The film travels to the X-ray and radiological departments of a hospital, to Canada's atomic research centre at Chalk River, and to the strange forbidden garden of the Brockhaven National Laboratory in the U.S., where plant growth is repeatedly subjected to gamma rays. The film's value is in its explanation of the differences amongst various forms of radiation and is therefore useful as an introductory aid to the study of radiation.

RICHES OF THE EARTH
Film: colour, 17 minutes, 3 copies, (I-S) (MNR) (MG-30)

Colourful animation illustrates how Canada's underground resources took shape through geological ages, and how these riches of the earth have become the raw materials of the works of man.

RIDDLE OF PHOTOSYNTHESIS (1967)
Film: colour, 15 minutes, 1 copy, (I-S) (MAF)

The oxygen and carbon dioxide cycles are interwoven by the threads of photosynthesis. This is a film about photosynthesis—the process by which green plants use sunlight, water, materials and carbon dioxide from the air to release oxygen and to form foods such as sugars, starches, fats and proteins. The film uses animation and a series of fascinating experimental activities to explain this process and to point out that a better understanding of the process may lead to the production of foods by chemical methods. A study guide accompanies the film.

THE RISE AND FALL OF THE GREAT LAKES (1969)
Film: colour, 16 minutes, 3 copies, (I-S) (MAF-1) (MNR-2)

The Great Lakes have been molded by nature and by man. This film shows how they were first formed by glaciation and how they have been changed more recently by modern civilization. These changes are illustrated by the journey of a Great Lakes canoeist who travels through ice age, flood and present day pollution. The film which shows how man is contributing to the fall of the Great Lakes, is narrated largely by folk-songs.

THE RIVER MUST LIVE (1969)
Film: colour, 21 minutes, 3 copies, (I-S) (MAF-1) (MOE-2)

This European-produced film is an excellent study of pollution and its ultimate effects when it continues unchecked in a watercourse. Solutions are proposed and treatment methods are discussed. Highly recommended.

RYE ON THE ROCKS
Film: colour, 15 minutes, 1 copy, (I-S) (MNR) (MG41)

Waste tailings from a variety of industrial processes represent a serious and all-too-often forgotten problem. This film tells the story of how International Nickel Company tackled the difficult problem of converting barren areas of mine tailings to grassland.

THE SEASONS (1954)
Film: colour, 20 minutes, 1 copy, (P-J) (MAF)

Music and colour photography depict the seasons in this tranquil film. Both wildlife and vegetation are caught by the camera's eye. This film serves as a good introduction for the younger student to a basic study of life cycles.

SEEDS OF DESTRUCTION (1954)
Film: colour, 10 minutes, 1 copy, (I-S) (MAF)

In this film authentic scenes show what happens when any one of the links in the chain of life is broken. Lumbering practices, devastating forest fires, uncontrolled wind and water erosion, overworked land and roaring floods are shown as the implements which can destroy our world unless man acts in time.

SHORE AND WATER BIRDS
Film: colour, 14 minutes, 4 copies, (J-I) (MNR) (W-55)

A film which views a variety of life to be found in and around water: loons, ducks, redwing blackbirds, frogs, turtles, etc.

THE SNAKES OF ONTARIO
Film: colour, 12 minutes, 6 copies, (J-I-S) (MNR) (W-63)

Snakes have been misrepresented through most of history. Fear of snakes is not innate, but learned. This film attempts to cultivate a favourable attitude in man towards snakes. The ecology and behaviour of 14 Ontario snakes is examined. Their importance to the ecology of their habitat is emphasized.

SO LITTLE TIME
Film: colour, 25 minutes, 3 copies, (J-I-S) (MNR) (W-28)

This naturalist film examines the ecology and behaviour of a variety of waterfowl. The need for proper protection and management of such wildlife is stressed.

SOIL FOR TOMORROW
Film: colour, 20 minutes, 2 copies, (J-I) (MNR) (C-17)

The history of the misuse and overuse of agricultural land in the Canadian plains in the 1930's is the subject of this film. Erosion and drifting were inevitable results of mismanagement.

SOLILOQUY OF A RIVER
Film: colour, 26 minutes, 1 copy, (J-I-S) (MNR) (C-25)

The story of a river and the life that is dependent upon it from its wildly cascading spring resurgence to its desperate struggle for life as it letharigcally moves past a city. The film also questions the aesthetic value of such a river to humans.

THE SOUND OF SOUND (1970)
Film: colour, 15 minutes, 2 copies, (I-S) (MAF)

The film shows how sound affects our daily lives. It also shows that hearing loss creeps up unnoticed, but is permanent. The film stresses that noise-induced hearing loss can be prevented.

SOUNDS OF NATURE
Film: colour, 26 minutes, 1 copy, (J-I-S) (MNR) (W-4)

A Dan Gibson production illustrating the relative ease with which adults and children can record the sounds of nature. A variety of birds and mammals are seen being photographed and recorded.

THE SPRUCE BOG
Film: colour, 23 minutes, 1 copy, (J-I-S) (MNR) (C-18)

A description of the conditions under which a spruce bog is formed, with details of the plant types, and wildlife common to such a habitat. Time-lapse photography illustrates the growth and decay of vegetation preceding the appearance of sphagnum moss which eventually replaces the water to make the floor of the forest.

SUBURBAN LIVING–SIX SOLUTIONS (1960)
Film: colour, 60 minutes (2 reels), 2 copies, (S) (MAF)

A comparison of solutions to the problems of suburban living as found in some of the world's largest cities–London, Marseilles, Rotterdam, Stockholm and Toronto. Though dated, this film can serve as a useful tool of introduction or initiating discussion in this area of concern.

SUMMER BIRDS (1966)
Slides, colour, 1 set of 20, (P-J) (MAF)

Shows examples of birds that prefer warm temperatures: robins, flicker, house wren, belted kingfisher, killdeer, eastern bluebird, tree swallow, mourning dove, brown thrasher, cow bird, bobolink, hummingbird, eastern meadowlark, barn swallow, redwinged blackbird, cedar waxwing, chipping sparrow, Baltimore oriole, goldfinch and sandpiper.

TASTE OF HONEY (1972)
Film: colour, 6 minutes, 6 copies, (P) (MAF)

Backed by a catchy rhyming narration, the film tells the story of honey. Scenes show the beekeeper checking the beehive and collecting honey. The roles of the queens, drones and workers are discussed. Removing honey from the combs and packaging it is also shown.

THEY LIVE BY WATER
Film: colour, 26 minutes, 1 copy, (J-I-S) (MNR) (W-73)

The pond is presented here as an ecological community. The birds, reptiles, mammals and flora in and around the pond rely on each other for their existence. The flow of energy through such a community is briefly explained.

THIS IS THE MALLARD
Film: colour, 45 minutes, 1 copy, (I-S) (MNR) (W-62)

An in-depth study of the ecology and behaviour of the mallard duck, emphasizing the requirements of food and water, and breeding grounds so necessary to the duck's survival.

THIS VITAL EARTH (1953)
Film: colour, 10 minutes, 1 copy, (J-I) (MAF)

The relation of life to its environment is shown through the balance of plants and animals. Plant and animal interrelationships are essential to survival. The need for balanced soil is demonstrated.

THE TIMBER WOLF
Film: colour, 26 minutes, 2 copies, (J-I-S) (MNR) (W-36)

Wolves have been misrepresented throughout history by a variety of mythology and folklore. This film attempts to set the record straight, especially for the deer-wolf relationship. The importance of the timber wolf in these northern ecosystems in regulating the deer's population and in providing scraps of food from their kills for scavengers is stressed.

TIME AND TERRAIN
Film: colour, 10 minutes, 2 copies, (J-I) (MNR) (M-32)

With the aid of animation the natural changes that caused the geological formations existing in Canada today are put forth.

THE TREE
Film: colour, 10 minutes, 2 copies, (P-J) (MNR) (C-22)

A film about the beauty of trees and their importance to life around them: birds, insects, other plants and people. The movie introduces the concept that living things depend on each other to form a balanced system.

A TREE IS A LIVING THING
Film: colour, 11 minutes, 2 copies, (P-J) (MNR) (C-15)

The process of tree growth is explained in a simple, non-technical way. The motion picture camera combines with a high-powered microscope to show what happens in even the smallest cell of the living tree.

TREES AND THEIR IMPORTANCE
Film: colour, 12 minutes, 1 copy, (J-I) (MNR) (C-26)

The structure or anatomy of a typical tree is studied, showing how the tree is both beneficial and necessary for the existence of other living things, both plant and animal. The film differentiates between the two main types of trees and explains the process of photosynthesis. The need for proper conservation and management programs for trees is stressed.

UNDERSTANDING OUR EARTH
Film: colour, 12 minutes, 1 copy, (J) (MNR) (C-19)

With the aid of diagrams, topsoil is differentiated from subsoil. The formation of soil and the need for proper soil conservation programs is also covered.

VIRUS CONTROL OF INSECT PESTS (1971)
Film: colour, 8 minutes, 1 copy, (I-S) (MAF)

Here is yet another method of pest control that could be incorporated into an integrated program of control. Canadian and U.S. scientists report on development in research with viruses used to control insects on various crops.

WASHOUT (1969)
Slides, 1 set of 50, (I-S) (MAF)

Illustrates the erosion process and its destructive results to all landowners and developers, and suggests precautionary measures. The viewer is shown that much of today's water pollution and costly drainage complications are due to uncontrolled erosion, from construction sites, devegetated land and barren areas. Script included.

WATER (1961)
Film: colour, 15 minutes, 1 copy, (I-S) (MAF)

A colourfully animated warning of the water shortage that may threaten the earth if nations don't properly plan and protect this most precious natural resource. The film covers a host of different issues on water, from soil erosion to chemical pollution.

A WAY OUT
Film: colour, 22 minutes, 3 copies, (S) (MCSS)

This film shows three situations involving children: A young mother's disappointment and frustration leads to a moment of violence against her baby; a little girl finds herself the loser in attempting to compete for her widowed father's love, with his new prospective wife; two boys from a broken home are adopted into a new family. Traditionally "Environmental Education" does not deal with the social environment of the individual, yet we must, for how can we expect people to be concerned about the deterioration of the environment when they are hardly able to deal with their own personal problems?

WHAT'S HAPPENING TO OUR PLANET? (1975)
Filmstrip: colour, 10 sets of 80 frames, (P-J) (MOE)

This filmstrip tells a story in simple terms of the problems facing the environment and the steps that are being taken in Ontario to solve the problems. The first 48 slides tell the story. The next 19 slides tell students how to "unglut" (that is, correct their personal pollution ways). The remaining 13 slides are for discussion or evaluation by the teacher. These last slides narrow in on the various polluters in the environment. The package contains a script, a cassette tape and some enclosed elementary information sheets with the filmstrip.

WHITETHROAT (1973)
Film: colour, 10 minutes, 11 copies, (All) (MIT-10) (MNR-1)

Using the beautiful whitethroat sparrow as its central character, guide and observer, this film includes the mammals, birds and bullfrogs of picturesque Algonquin Park. There is no narration: the forest speaks for itself.

WILDFOWL IN SLOW MOTION
Film: colour, 9 minutes, 3 copies, (All) (MNR) (W-51)

A naturalist's type of film, showing a variety of birds' flights in slow motion. The mechanics of birds' flight become very evident at this speed.

WILDLANDS–OUR HERITAGE
Film: colour, 26 minutes, 1 copy, (P-J) (MNR) (W-45)

Film maker Dan Gibson takes his two sons to a remote shore of Georgian Bay to familiarize them with wild creatures of their own country. They meet a variety of birds, chipmunk, red squirrel, frogs, and turtles. The film encourages all to explore the wildlands but with a sense of care and respect for the inhabitants of these lands.

WINGS OF THE WILD
Film: colour, 14 minutes, 4 copies, (J-I) (MNR) (W-56)

A variety of birds and insects are seen in their daily activities. The interdependence amongst such birds and insects for food and population regulation is stressed.

WISCONSIN FACES THE SOLID WASTE PROBLEM (1972)
Film: colour, 23 minutes, 1 copy, (I-S) (MAF)

This film shows various alternatives for solid waste management, with a major emphasis on sanitary landfill sites. It gives examples of successful landfill operations throughout Wisconsin and shows how small communities can co-operate to solve their mutual problems in this area.

WOMEN IN THE ENVIRONMENT (1975)
Film: colour, 25 minutes, 7 copies, (I-S) (MOE)

The most up-to-date film on the current activities of the Ministry of the Environment as told by the women working in the Ministry. In addition, private industries and the federal government are represented.

WONDERS IN A COUNTRY STREAM
Film: colour, 11 minutes, 1 copy, (P-J) (MNR) (W-66)

This film serves as a good introduction for young children to small creatures that live in and around most streams.

THE WORLD AT YOUR FEET
Film: colour, 22 minutes, 1 copy, (J-I) (MNR) (C-23)

A very good film on soil chemistry. The formation of soil is explained and different soil types are identified as to their composition and ability to hold water. The importance of proper soil conditions for plant life and life that feeds off such plant growth, including man, is stressed. Proper soil conservation and management programs are encouraged.

WORLD IN A MARSH (1955)
Film: colour, 22 minutes, 2 copies, (J-I) (MAF-1) (MNR-1)

This film provides an intimate view behind the tall reeds and in the quiet waters of the marsh. It shows how strange insects, small amphibious creatures and birds devour, and are devoured, according to nature's stern decree of balance and survival of the fittest.

YOUR FRIEND THE WATER (CLEAN OR DIRTY)
Film: colour, 6 minutes, 1 copy, (P-J) (MNR)

With the aid of animation, two contrasting experiences are shown; one, a pure river which supports both animals and fish in the mountains and is a source of drinking water for all; and the other, a polluted stream unfit for any living thing.

YOURS IS THE LAND
Film: colour, 20 minutes, 2 copies, (J-I-S) (MNR)

The formation of soil is shown and the dependence of both plant and animal life on good rich soil is made clear. The use and abuse of soil by man is critically examined. The consequences of man's mismanagement of soil is shown and the need for proper management of such soils is stressed.

SECTION D

SERVICES AND MATERIALS RELATED TO ENVIRONMENTAL EDUCATION AVAILABLE FROM SPECIFIC ONTARIO GOVERNMENT MINISTRIES

MINISTRY OF AGRICULTURE AND FOOD

The publications of this Ministry are largely "how-to" books, and primarily intended to help the farmer improve production of livestock and field and horticultural crops. This includes instruction on control of diseases and pests, conditioning of the soil, construction of farm buildings, and other subjects related to agriculture. There are also numerous publications devoted to home gardening, and some designed for the general consumer (food purchase and preparation, clothing and textiles).

There are no Ministry publications designed to deal specifically with environmental problems. In a sense, however, many of the publications are slanted toward conservation and general concern for the environment. For example, instructions for the use of pesticides state amounts and conditions of application very precisely, to prevent pollution of air, soil and water. Proper tillage to prevent erosion is stressed.

A List of Publications is published yearly and includes all publications intended for general distribution. This includes both the numbered publications, which give comprehensive coverage of a subject, and Factsheets, which deal with one aspect of a subject in one to four pages.

A word of guidance—none of the Ministry's publications are intended for public or high school students. Many would be of no value in the classroom, since they deal in considerable detail with some aspects of agricultural practice. School libraries may find a single reference copy useful, but teachers are asked to refrain from having students write or telephone for individual copies.

Publications List:

A small booklet entitled "Publications" is produced annually by the Ontario Ministry of Agriculture and Food, listing the publications available from this Ministry by subject. Directions on how to order such publications along with a list of County and District Offices of the Ministry are included.

Factsheets:

The Ministry of Agriculture and Food produces "factsheets" (2-4 pages) on a variety of topics pertaining to the interests of the Ministry. Though brief, the factsheet acts as an excellent introduction or support document to study in the area. The list below is not all inclusive, but rather a collection of those factsheets thought to be best suited to the interests of this guide.

Title	Order Number/Date
Trees In Our Environment	71-032
Cereal Virus Disease	April '71
Salt Damage to Roadside Plants	71-114
Chemical & Organic Fertilizers	Jan. '72
Corn Leaf Aphid	72-069
Reducing Bird Damage in Fruit and Vegetable Crops	May '72
Common Disorders of Broad-Leaf Trees	Dec. '72
Oat Nematode in Ontario	73-005
Management of Organic Soils	March '73
Air Pollution & Horticultural Crops	73-108
Root Lesion Nematode in Ontario Orchards	74-035
Feeding Honey Bees	74-051
Lead Poisoning in Cattle	74-075
Army Worm	74-062
Beekeeping—General Information	74-088
Cereal Fungus Disease	74-089
Leaf Diseases of Field Corn	74-117
Northern Corn Rootworn	75-006
Potato Stem Borer in Field Corn	75-007
Producing Maple Syrup	
Land Requirements for Utilization of Liquid Manure in Crop Production	

MINISTRY OF COMMUNITY AND SOCIAL SERVICES

The Ministry administers and initiates programs and services to help individuals maintain a satisfactory standard of living in Ontario.

It specifically is concerned with income security for the needy, aid for the elderly, developmental programs for the retarded, child welfare and day nurseries, rehabilitation and job training for the handicapped and special residential programs.

This ministry works with social service agencies and municipalities offering guidance and financial assistance.

MINISTRY OF CULTURE AND RECREATION

The Ministry of Culture and Recreation is Ontario's newest ministry. It was established January 14, 1976. Its mandate is to concentrate resources and develop policies to enrich cultural and recreational opportunities for all residents of Ontario.

The Ministry has four main divisions—Arts Support, Sports and Fitness, Citizenship and Multicultural Support and Heritage Conservation.

A number of agencies answer to the legislature through the Ministry. The Ontario Science Centre, Ontario Arts Council, the McMichael Collection and Radio CJRT-FM are several.

MINISTRY OF EDUCATION

- Among its many programs that support environmental education programs in the schools, initiates and assists relevant research and curriculum development projects, and publishes provincial curriculum guidelines for the guidance of local school authorities;
- also publishes a list of approved textbooks in Circular 14 and recommended reference books in Circular 15;
- encourages the local development of courses of study from provincial guidelines and the development of experimental courses outside of the guidelines for approval;
- no longer conducts a provincial film library service, but appropriate provincial curriculum guidelines and circulars are listed here;
- copies are available from Ministry regional offices in Toronto, Ottawa, Kingston, Waterloo, London, St. Catharines, North Bay, Sudbury, and Thunder Bay.

Environmental Science, Intermediate & Senior Divisions, 1973

The Formative Years, Circular P_1J_1, Primary and Junior Divisions, 1975

Education in the Primary and Junior Divisions, (Resource Guide), 1975

Man and Earth, Intermediate Geography, 1973

Physical and Health Education, Senior Division, 1975

Science, Intermediate Division, 1970

Urban Studies, Intermediate & Senior Divisions, 1971

Regional Offices of the Ministry of Education

	Telephone
Northwestern Ontario 435 James Street South Thunder Bay P7E 6E3	(807) 475-1581
Midnorthern Ontario 1349 LaSalle Blvd. Sudbury P3A 1Z5	(705) 566-3480
Northeastern Ontario Transportation and Communications Building McKeown Avenue Box 3020 North Bay P1B 8K7	(705) 474-7210

Western Ontario
759 Hyde Park Road
London
N6H 3S6 (519) 472-1440

Midwestern Ontario
279 Weber Street North
Waterloo
N2J 3J1 (519) 885-0440

Niagara
Suite 402
15 Church Street
Box 906
St. Catharines
L2R 7A1 (416) 684-1123

Central Ontario
Suite 3201, Heron's Hill Building
2025 Sheppard Avenue East
Willowdale
M2J 1W4 (416) 491-0330

Eastern Ontario
Suite 301
1055 Princess Street
Kingston
K7L 1H3 (613) 546-2641

Ottawa Valley
1825 Woodward Drive
Ottawa
K2C 0R2 (613) 225-2230

MINISTRY OF ENERGY

Responsible for securing a supply of energy for Ontario commensurate with the needs of the Province, encouraging efficient production and moderate use of energy resources, minimizing any detrimental effects on the environment that might result from energy production or utilization. The Minister of Energy also reports to the Ontario Legislature for Ontario Hydro and for the Energy Board.

Speeches

A number of speeches/statements made by both the Minister and Deputy Minister of Energy may be of potential use to the teacher or senior student as they reflect the policies and "thinking" of this important Ministry.

The following is a list of potentially interesting speeches and statements:

Date	Title/Topic
June 7/73	Initial statement from the Ministry of Energy on a Structure of Energy Administration
March 13/73	Petroleum Prices and Related Issues
March 26/74	Uranium and Associated Nuclear Fuel
April 2/74	Future Energy Technology
May 9/74	Thoughts of the Contemporary Energy Situation
September 4/74	Statement on Natural Gas
October 5/74	Attitudes and Programs of Government (with respect to energy resources)
October 7/74	Energy Management in Ontario
October 24/74	Land Use: Agriculture and Urban Development
October 25/74	The Impact of Higher Energy Prices on National Industrial Planning
October 28/74	Statement on the M.M. Dillon Report
November 6/74	Constitutional Considerations to Energy Taxation and Energy Supplies in Canada
November 12/74	How Should the Revenues from Canada's Resources be Shared
November 27/74	Energy and Environment
November 28/74	An Act to Establish the Ontario Energy Corporation and Related Matters
December 3/74	The Electric Power System
December 9/74	Natural Gas, Supply, Demand and Deliverability
December 11/74	Energy Management, Research and Development
December 19/74	Petroleum and Natural Gas Prices
January 14/75	The Impact of the Energy Crisis on the Economy of Ontario
February 10/75	The Restructuring of Our Electric Utilities
February 11/75	The Restructuring of Our Public Utilities
March 26/75	The Energy Management Program
April 2/75	The Restructuring of Our Electric Utilities in Ontario
	Demand, Supply and Price of Natural Gas
April 22/75	Perspective on Energy
April 28/75	Some Reflections on the First Ministers' Conference
April 28/75	Ontario Hydro's Rate Proposal
April 30/75	Energy in Canada
May 6/75	Petroleum Policy–An Ontario View
May 13/75	800 MW Coal Fired Station at Atikokan
May 14/75	Announcing Approval of Thunder Bay Expansion and Atikokan Station
May 15/75	Ontario Energy–Where are we now?
May 27/75	Oil and Gas Prices
May 29/75	Petroleum Pricing and the National Interest
June 6/75	Bradley–Georgetown Hydro Corridor
June 13/75	Oil and Gas Prices
June 17/75	Energy Management–Space Conditioning
July 4/75	Royal Commission–Petroleum Products Pricing
July 9/75	Bruce Nuclear Power Development–Social Issues
July 8/75	Ontario Hydro Budget Directive
July 29/75	Energy Management and Our Farming Future

Speeches and statements for the year 1975-76 may also be obtained by contacting the Ministry of Energy.

"Energy in Ontario" is an annual publication of the Ministry of Energy summarizing the source, use, sales and transportation of energy in all forms including oil, natural gas, propane, coal and electricity. This may be a very useful resource document for both teacher and senior student.

Energy Management Programs

The Energy Management Program, which is co-ordinated by the Ministry of Energy, comprises the efforts of ten additional Ministries in the following areas:

- encouraging the reduction of energy consumption;
- offering guidance for the efficient use of energy;
- introducing thermal performance criteria for new construction in the Ontario Building Code;
- expanding school curriculum guidelines to courses related to a conservation ethic and specifically the wise use of energy resources;

- exhibiting the distinct and important ties between efforts to improve the environment and simultaneous conservation of energy;
- promoting the more efficient use of energy in government;
- establishing energy management guidelines for the operation and maintenance of some 75,000 public housing units;
- evaluating claims for efficient fuel saving techniques and devices through analysis and laboratory testing;
- establishing research and development programs with emphasis on improved energy utilization in the areas of new products and processes.

MINISTRY OF THE ENVIRONMENT

General:

In the simplest terms possible, one might boil down this Ministry's area of jurisdiction to *air, water, waste* and *noise* as they relate to environmental pollution.

A simple way to outline some of the specific activities and programs and areas of responsibility would be to list the titles for the branches, sections and programs of the Ministry. A partial list follows:

Noise Control
Air Quality Monitoring
Automotive Emissions
Watts from Waste
Phytotoxicological Surveys
Pesticides Licencing
Pesticides Advisory Committee
Resource Recovery
Water Quality Monitoring
Recreational Lakes Program
Water Quantity Management
Industrial Pollution Control
Cottage Pollution Control
Municipal Pollution Control
Environmental Assessment
Trace Contaminants Research
Water Quality Testing
Pesticides Control
Environmental Hearing Board

Information Services:

Educational Fact Sheets have been written to supply students and teachers with single topic accounts of particular pollution problems and/or suggestions of activities that might be attempted. Fact Sheets are designed for copying.

Teachers:

The procedure the Ministry is adopting for distribution of educational materials such as educational Fact Sheets, is to have *one teacher only, in each school* in the province as the Ministry's liaison contact. This teacher will receive a complete set of *all* educationally valuable materials and will be in a position to reproduce any materials considered valuable.

It is expected that this teacher will keep a file of this material and make an effort to relay information to any other interested teachers or students in the school. Any teachers interested in becoming the *"liaison teacher"* for their school contact: Educational Resources Co-ordinator, Information Services, Ministry of the Environment, 8th Floor, 135 St. Clair Avenue West, Toronto, Ontario M4V 1P5.

Students:

Students can write for specific information from the Ministry, but must describe as accurately as possible the nature of any information they request. Requests for "everything on pollution" cannot be met for obvious reasons. Instead, they should include, in as brief a letter as possible:

i) their name and school;
ii) their complete address;
iii) their age;
iv) the course of study for which the material is required;
v) a detailed description of the materials desired.

Addresses:

Assistance can be sought from any of the addresses listed below. Questions or information of a local or regional nature should probably be sent to the nearest regional office.

a) Ministry of the Environment,
Information Services Branch,
8th Floor,
135 St. Clair Avenue West,
TORONTO, Ontario.
M4V 1P5

b) Ministry of the Environment,
Central Regional Office,
150 Ferrand Drive,
DON MILLS, Ontario.
M3C 3C3

c) Ministry of the Environment,
West Central Regional Office,
140 Centennial Parkway North,
STONEY CREEK, Ontario.
L8E 3H2

d) Ministry of the Environment,
Southeastern Regional Office,
133 Dalton Street,
KINGSTON, Ontario.
K7L 4X6

e) Ministry of the Environment,
Southwestern Regional Office,
985 Adelaide Street South,
LONDON, Ontario.
N6E 1V3

f) Ministry of the Environment,
Northwestern Regional Office,
435 James Street South,
THUNDER BAY, Ontario.
P7E 6E3

g) Ministry of the Environment,
Northeastern Regional Office,
469 Bouchard Street,
SUDBURY, Ontario.
P3E 2K8

MINISTRY OF HEALTH

The Ontario Ministry of Health is interested in the protection of health and prevention of disease. Through the Community Health Division and 44 local health units and health departments, the Ministry promotes the adoption of positive and healthful lifestyles.

Participants in environmental education programs are invited to contact their local health unit or department for information on health in general and on specific healthful practices for environmental education such as immunization, food sanitation, housing standards, accident preven-

tion, poisons, smoking, nutrition, public health inspection, dental health, etc. Pamphlets on many health subjects are available from local health units and departments and from physicians' offices, hospitals and pharmacies.

Environmental education also includes the health of the working environment. Ministry's Occupational Health Protection Branch evaluates the effect of toxic fumes, vapours, dust and gases on the health of workers; provides advice and consultation (to industry and to other Ontario Government Ministries) to eliminate or control adverse factors and sets standards and guidelines for a hazard-free work environment. For further information, contact the Occupational Health Protection Branch, 5th Floor, 15 Overlea Boulevard, Toronto, Ontario. M4H 1A9.

MINISTRY OF HOUSING

The Ministry of Housing was created in November, 1973, to direct and co-ordinate government efforts to ensure an adequate housing supply for Ontario residents at a reasonable cost within a sound planning framework.

The following housing assistance programs have been established to help meet current housing needs:

- Programs operated by Ontario Housing Corporation, an agency of the ministry, which include rental housing for families and senior citizens where rents are based on income, and the Home Ownership Made Easy (H.O.M.E.) Plan, which makes it possible for families to buy reasonably-priced houses with low down payments;
- The Ontario Home Renewal Program (OHRP), which provides grants and loans for the improvement of residential property;
- The Ontario Housing Action Program (OHAP) designed to encourage the production of serviced land and to increase the provision of low and moderate-income family housing in the province.

To enable municipalities to co-operate in the supply of reasonably-priced housing, community planning study grants and housing policy study grants provide funding for planning and research studies on long-term needs, and preparing or revising official plans, zoning by-laws and zoning orders.

The Ontario Mortgage Corporation was established as an agency of the ministry to provide mortgage financing at lower interest rates to builders participating in ministry programs.

To provide a complete information service to the general public, the ministry, through its Communications Branch, sends staff members on invitation to schools, universities and meetings of community and church groups.

This service has been extended through the efforts of the communications and public affairs staff of the North Pickering Development Corporation. They have assembled a teaching unit in the form of a package of information material including audio-visual aids which can be used by teachers for the urban studies portion of the grade 12 geography course, as well as university students interested in the planning process of a new town.

Films are available on a loan basis to schools, service clubs, industry or community groups and television stations. A mobile information and display centre tours various communities throughout the province during the summer months to provide information of particular relevance to local residents.

As well, as its principal publication "Housing Ontario" and various brochures and fact sheets describing ministry programs, the ministry also publishes a newsletter at regular intervals to give capsulized summaries of recent news releases, public statements and other items of interest pertaining to the Ministry of Housing and its components.

A complete list of all ministry publications and films is contained in this guide.

MINISTRY OF INDUSTRY AND TOURISM

The objectives of the Ontario Ministry of Industry and Tourism are to stimulate the economy, help create more jobs, find more markets for manufacturers, assist in industrial expansion, encourage new technology and improve the tourist industry.

To achieve the Ministry's goals, various programs to assist business people are channeled through the division of Industry, Trade and Tourism, each equipped with research, development and marketing branches.

Divisions of Communications, Administration and Small Business-Operations, the latter which maintains 17 field offices throughout the province to meet local needs and problems, assist in the backing of the programs and their execution.

The Ministry also has a work force covering 35 countries in 15 international field offices; 6 in the United States—Boston, Chicago, Cleveland, Los Angeles, Minneapolis and New York. Others are located in Mexico City, Sao Paulo, Brussels, Frankfurt, London, Milan, Stockholm, Tokyo and Vienna. These offices work in conjunction with ministry marketing consultants in Toronto to arrange trade missions, business appointments, joint ventures, licensing arrangements or consulting services.

All phases of tourist advertising, promotion and literature are handled by the Ministry. Tourist attractions and activities are publicized and guidance to tourist operators and associations on resort management, sales promotion, advertising and standards of service is available through the field offices.

Seminars on technology, such as waste utilization of rubber, plastic or wood, industrial design and development, product performance, marketing, both domestic and international, and loan programs (Ontario Development Corporation (ODC), Eastern and Northern) are discussed in all-day sessions with business people.

An 'energy bus' operated by the ministry's Technology Branch visits industries across the province to help them cut their energy bills. The bus is part of the Ontario government's Energy Management Program and is equipped with a mini-computer which provides an immediate on-the-spot read-out of attainable dollar savings.

The ODC administers Northam Industrial Park in Cobourg, Huron Industrial Park in Centralia and manages the sale and leasing of property for Sheridan Park Research Community at Mississauga, with research laboratories and facilities that offer an interchange of ideas and techniques and help participating companies stay competitive in world markets. Research creates new and improved products as well as better utilization of natural resources. This unique $42 million community employs some 1,600 persons in ten resident companies and corporations.

MINISTRY OF LABOUR

Occupational settings provide the focus of safety and health related information resources in this Ministry.

It is evident, however, that certain characteristics of the "man-machine interface" within the occupational setting will exert varying levels of influence upon its external environment.

An appreciation of the single and/or cumulative effect of industrial enterprise upon its host environment might best be derived from an understanding of industrial activities.

A comprehensive study will, by necessity, also consider the constant or periodic effect upon industrial activities of certain characteristics within the host environment.

The above mentioned information sources of this Ministry complement each other in providing *serious researchers* with information about certain characteristics of industrial activities.

In response to inquiries, information will be provided from our own resources or an alternate and applicable external source of reference will be identified. Write to: Ministry of Labour, Research Library, 400 University Avenue, Toronto, Ontario M7A 1T7.

ONTARIO HYDRO

Supplies electricity to the people of Ontario indirectly through some 350 associated municipal utilities, and directly to some 700,000 rural customers. Its electrical inspection program provides technical guidance to consultants, contractors, architects, manufacturers and customers on problems concerning installation of electrical equipment and adherence to the Electrical Safety Code book. Educational programs about hydro-electric power systems are provided at various centres for school groups and for the general public. Films and brochures developed for these programs are listed in this Resource Guide as they relate to the environment.

Field Trips

Field trips for students and other groups present them with opportunities to learn first-hand about the role of electric energy in the province. Ontario Hydro has established visitor facilities at its major hydro-electric, coal-fired, and nuclear generating stations. Ontario Hydro programs are primarily designed for students 10 years of age or older. Displays, models and films are an integral part of the tour program. Visits to stations should be booked well in advance by mail, or telephone to the Hydro Officer listed at the station you wish to visit.

Write for the pamphlet "Planning a Field Trip" for further information concerning field trips, or contact your local Ontario Hydro Office.

Films

You may wish to borrow a film before or after your field trip or visit. Hydro films are available at no charge. Subjects include the construction and operation of hydro-electric, conventional, thermal and nuclear stations, the planning and building of transmission line, air quality control, the Great Lakes system, and electrical safety. For further information and to order films, write to: Ontario Hydro, Film Services Department, Public Relations Division, 700 University Avenue, Toronto, Ontario. M5G 1X6.

MINISTRY OF NATURAL RESOURCES

INFORMATION BRANCH, ROOM W-5305,
WHITNEY BLOCK
TORONTO, ONTARIO, M7A 1W3, (416) 965-2756

Introduction

One of the goals of the Ministry of Natural Resources is to provide a wide variety of opportunities to Ontario's young people for outdoor recreation.

The Ministry encourages and participates in activities that contribute to developing an understanding and appreciation of the province's natural resources–land, water, trees, fish, wildlife and minerals.

Resources Education

Representatives from the Ministry lecture in elementary and secondary schools on a variety of subjects. These may be general in nature or specialized in the fields of mining, forestry, wildlife, land and water conservation and recreation. The lecturers use varied formats including films, slides, photographs, and other visual aids. (See individual division sections).

The Division of Mines conducts week-long Mineral Education Courses in mineral and rock identification including an introduction to geology and practical fieldwork. For details contact the Geoscience Information Office, Geological Branch, Room 2411, Whitney Block, 965-4641.

The Leslie M. Frost Natural Resources Centre in Dorset is a residential outdoor education centre which provides conservation-oriented school groups with the opportunity to develop outdoor skills, knowledge and ethics. For further information on reservations and fees, contact the Leslie M. Frost Natural Resources Centre, Dorset, Ontario, P0A 1E0 (705) 766-2451.

Youth Programs

Junior Conservationist Award Program.

This eight-week program, administered by the Conservation Authorities Branch, is a combined working-learning experience in conservation and resource management.

Running from early July to late August, the program employs young people who are at least 16 but not older than 18 years of age by June 30. Applicants must be sponsored by a conservation organization or school group. Those admitted to the program will receive salary, room and board, and subsidized travel.

For further information (pamphlet) and application forms contact the Conservation Authorities Branch, Ministry of Natural Resources, Whitney Block, Toronto, M7A 1W3, or any sponsoring organization including 4-H Clubs, Resource Rangers, nature clubs, Sportsmen's Club, and Conservation Authorities.

Junior Rangers.

The Junior Ranger Program provides approximately 1,600 young people in Ontario with the opportunity to gain knowledge of resources management through a working-learning situation in work-camp settings across the province.

Compensations include salary, room and board, and subsidized travel. Applicants must meet specific age requirements to be eligible for this eight-week program conducted from early July to late August. For further information (brochure) and application forms contact the Junior Ranger Program, Personnel Branch, Ministry of Natural Resources, Whitney Block, Toronto, M7A 1W3, 965-1258.

Library Services

Black and white photographs and 35 mm. colour slides are available on loan by request from the Photo Library, Room 5403, Whitney Block. Requests may be made in writing or by contacting the library at 965-2758.

The Aerial Photo Library maintains a complete collection of aerial photography of Ontario. Individual prints of various sizes can be ordered at a nominal charge. The library is located in Room 3501, Whitney Block, 965-1123.

Publications

"List of Publications".

The Ministry of Natural Resources produces a "List of Publications" biannually, in the spring and fall, for general distribution. This pamphlet includes new publications as well as those of general interest from all branches of the Ministry.

"Who We Are–What We Are Doing for You".

This illustrated folder describes the many varied activities and programs of the Ministry of Natural Resources. It includes a complete directory of district offices and their locations throughout the province.

"Statistics".

"Statistics", an annual publication, is a supplement to the Minister's Annual Report. The statistics cover all aspects of Ministry activities at the branch level including forest products and fires, hunting and commercial fishing harvests, minerals, oil and natural gas production, land-use and recreation in parks.

Regional and District Offices

Teachers and students may obtain a variety of resource material and services by contacting the appropriate local district or regional office of the Ministry of Natural Resources. Forests, fish and wildlife, lands and parks specialists in each district offer expertise on local situations and assistance in planning a school visit or field trip. Mining inquiries may be directed to the geologist office at the nearest regional office.

Ministry of Natural Resources
Regional and District Offices

Algonquin Region

Brendale Square
P.O. Box 9,000
Huntsville, Ontario
P0A 1K0
(705) 789-9611

District Offices

BANCROFT DISTRICT
P.O. Box 500
Bancroft, Ontario
K0L 1C0
(613) 322-3940

BRACEBRIDGE DISTRICT
P.O. Box 1138
Bracebridge, Ontario
P0B 1C0
(705) 645-5244

MINDEN DISTRICT
Minden, Ontario
K0M 2K0
(705) 286-1521

PARRY SOUND DISTRICT
4 Miller Street
Parry Sound, Ontario
P2A 1S8
(705) 746-2141

PEMBROKE DISTRICT
Riverside Drive
P.O. Box 220
Pembroke, Ontario
K8A 6X4
(613) 732-3661

ALGONQUIN PARK DISTRICT
P.O. Box 219
Whitney, Ontario
K0J 2M0
(705) 637-2780

Central Region

10670 Yonge Street North
Richmond Hill, Ontario
L4C 3C9
(416) 884-9203

District Offices

CAMBRIDGE DISTRICT
R.R. 1
Beaverdale Road
Cambridge, Ontario
N3C 2V3
(519) 658-9356

LINDSAY DISTRICT
Ontario Government Bldg.
322 Kent Street West
Lindsay, Ontario
K9V 2Z9
(705) 324-6121

MAPLE DISTRICT
Maple, Ontario
L0J 1E0
(416) 832-2261

HURONIA DISTRICT
Midhurst, Ontario
L0L 1X0
(705) 728-2900

NIAGARA DISTRICT
Hwy. 20
P.O. Box 1070
Fonthill, Ontario
L0S 1E0
(416) 892-2656

Northern Region

140 Fourth Avenue
P.O. Box 3,000
Cochrane, Ontario
P0L 1C0
(705) 272-4287

District Offices

CHAPLEAU DISTRICT
34 Birch Street
Chapleau, Ontario
P0M 1K0
(705) 864-1710

COCHRANE DISTRICT
2 Third Avenue
P.O. Box 3,000
Cochrane, Ontario
P0L 1C0
(705) 272-4365

GOGAMA DISTRICT
Gogama, Ontario
P0M 1W0
(705) 894-2000

HEARST DISTRICT
P.O. Box 670
Hearst, Ontario
P0L 1N0
(705) 362-4346

KAPUSKASING DISTRICT
6 Government Road
Kapuskasing, Ontario
P5N 2W4
(705) 335-6191

MOOSONEE DISTRICT
P.O. Box 190
Moosonee, Ontario
P0L 1Y0
(705) 336-2987

KIRKLAND LAKE DISTRICT
P.O. Box 129
Swastika, Ontario
P0K 1T0
(705) 642-3222

TIMMINS DISTRICT
896 Riverside Drive
Timmins, Ontario
P4N 3W2
(705) 264-1262

Eastern Region

Provincial Government Bldg.
South Boundary Road
Kemptville, Ontario
K0G 1J0
(613) 258-3413

District Offices

BROCKVILLE DISTRICT
101 Water Street
Brockville, Ontario
K6V 5Y8
(613) 342-8524

CORNWALL DISTRICT
40 5th Street West
P.O. Box 1749
Cornwall, Ontario
K6H 5V7
(613) 933-1774

LANARK DISTRICT
P.O. Box 239
Lanark, Ontario
K0G 1K0
(613) 259-2108

NAPANEE DISTRICT
Napanee, Ontario
K0K 2R0
(613) 354-3389

OTTAWA DISTRICT
Ramsayville, Ontario
Ottawa, Ontario
K0A 2Y0
(613) 822-2525

TWEED DISTRICT
Metcalfe Street
Tweed, Ontario
K0K 3J0
(613) 478-2330

North Central Region

Ontario Government Bldg.
435 James Street South
P.O. Box 5,000
Thunder Bay 'F', Ontario
P7C 5G6
(807) 475-1261

District Offices

ATIKOKAN DISTRICT
Atikokan, Ontario
P0T 1C0
(807) 597-2781

GERALDTON DISTRICT
P.O. Box 640
Geraldton, Ontario
P0T 1M0
(807) 854-1030

NIPIGON DISTRICT
P.O. Box 970
Nipigon, Ontario
P0T 2J0
(807) 887-2120

TERRACE BAY DISTRICT
Terrace Bay, Ontario
P0T 2W0
(807) 825-3205

THUNDER BAY DISTRICT
Ontario Government Bldg.
435 James Street South
P.O. Box 5,000
Thunder Bay 'F', Ontario
P7C 5G6
(807) 475-1471

WHITE RIVER DISTRICT
200 Winnipeg Street
White River, Ontario
P0M 3G0
(807) 822-2250

Northeastern Region

390 Bay Street
P.O. Box 1,900
Sault Ste. Marie, Ontario
P6A 5N9
(705) 949-1780

District Offices

BLIND RIVER DISTRICT
62 Queen Street
P.O. Box 190
Blind River, Ontario
P0R 1B0
(705) 356-2234

ESPANOLA DISTRICT
P.O. Box 1340
Espanola, Ontario
P0P 1C0
(705) 869-1330

NORTH BAY DISTRICT
P.O. Box 3070
North Bay, Ontario
P1B 8K7
(705) 474-5550

SUDBURY DISTRICT
174 Douglas Street West
Sudbury, Ontario
P3E 1G1
(705) 673-1111

TEMAGAMI DISTRICT
P.O. Box 38
Temagami, Ontario
P0H 2H0
(705) 569-3622

WAWA DISTRICT
22 Mission Road
P.O. Box 1160
Wawa, Ontario
P0S 1K0
(705) 856-2396

SAULT STE. MARIE DISTRICT
Aerodrome Building
69 Church Street
P.O. Box 130
Sault Ste. Marie, Ontario
P6A 5L5
(705) 949-1231

Northwestern Region

808 Robertson Street
P.O. Box 5160
Kenora, Ontario
P9N 3X9
(807) 468-3111

District Offices

DRYDEN DISTRICT
P.O. Box 640
119 King Street
Dryden, Ontario
P8N 2Z3
(807) 233-3341

KENORA DISTRICT
808 Robertson Street
P.O. Box 5080
Kenora, Ontario
P9N 3X9
(807) 468-9841

FORT FRANCES DISTRICT
922 Scott Street
Fort Frances, Ontario
P9A 1J4
(807) 274-5337

RED LAKE DISTRICT
P.O. Box 323
Highway 105
Red Lake, Ontario
P0V 2M0
(807) 727-2531

IGNACE DISTRICT
Highway 17, P.O. Box 448
Ignace, Ontario
P0T 1T0
(807) 934-2233

SIOUX LOOKOUT DISTRICT
P.O. Box 309
Sioux Lookout, Ontario
P0V 2T0
(807) 737-1140

Southwestern Region

1106 Dearness Drive
London, Ontario
N6E 1N9
(519) 681-5350

District Offices

AYLMER DISTRICT
353 Talbot Street West
P.O. Box 940
Aylmer, Ontario
N5H 1S8
(519) 773-9241

CHATHAM DISTRICT
Kent County Municipal Bldg.
435 Grand Avenue West
P.O. Box 1168
Chatham, Ontario
N7M 5L8
(519) 354-7340

OWEN SOUND DISTRICT
611-9th Avenue East
Owen, Sound, Ontario
N4K 3E4
(519) 376-3860

SIMCOE DISTRICT
645 Norfolk Street North
Simcoe, Ontario
N3Y 3R2
(519) 426-7650

WINGHAM DISTRICT
P.O. Box 490
Highway 4S
Wingham, Ontario
N0G 2W0
(519) 357-3131

Conservation Authorities Branch

A listing of Conservation Authorities and Conservation Areas in Ontario is available from this branch. For information on a specific watershed, contact the appropriate Authority. (See Resources Education, Youth Programs Section–Junior Conservationist Award Program).

Division of Fish and Wildlife

"Ontario Fish and Wildlife Review".

The "Ontario Fish and Wildlife Review" is published quarterly by the Division of Fish and Wildlife. This illustrated semi-technical magazine contains articles by Ministry biologists and district specialists on fish and wildlife management practices in Ontario. Inquiries may be directed to "Fish and Wildlife Review", Ministry of Natural Resources, Whitney Block, Toronto, M7A 1W3.

By contacting the nearest district office, teachers can obtain information about resource management programs.

Division of Forests

"Your Forests".

Published three times annually, "Your Forests" is an illustrated magazine distributed free of charge to all elementary and secondary schools, colleges, universities, libraries, and many private land-owners in Ontario.

As its title implies, this periodical covers a wide range of forest-related activities and resource management. If you wish to review an issue of "Your Forests" or request a subscription, contact The Editor, "Your Forests", Division of Forests, Ministry of Natural Resources, Whitney Block, Toronto, M7A 1W3.

Curriculum Consulting.

Assistance as to locations of local staff expertise, environmental tours, outdoor study areas and other information pertaining to forests can be acquired from Forestry Extension Services, Division of Forests, 3rd Floor, Whitney Block, Toronto, 965-2785. (See Regional and District Offices section).

Division of Mines

Information Sheets.

General information sheets on topics of geological interest can be obtained by contacting the Geological Branch, Division of Mines, Ministry of Natural Resources, Whitney Block, Toronto. Subjects covered by these sheets include:

- Areas of mineral deposits in Ontario
- Properties, composition, and uses of ore and industrial minerals and rocks
- Aids to outdoor education

In addition, specific specialized information and technical data is available to teachers and senior students.

Mine Tours.

For information on arranging for mine tours in Ontario, contact the Information Branch, Ministry of Natural Resources, Whitney Block, Toronto, or the local district or regional office.

"Rocks and Minerals Information".

This booklet, published annually, contains a complete annotated listing of geological and earth science publications, maps, and information sources on Ontario including a listing of mineral and lapidary clubs and dealers. (See Library Services–Mines Library) and (Resources Education –Mineral Education Courses).

Curriculum Consulting.

The Geoscience Information Office, Room 2411, Whitney Block (965-4641) can assist teachers in a number of ways.

Arrangements can be made, in some instances, for classroom lectures with slide presentations or field assistance for tours in geological investigations.

In addition, up-to-date information on local geological conditions is available from the Regional or Resident Geologist's office. (See Regional and District offices).

Division of Parks

A variety of publications on individual parks is available from the Division of Parks and local offices. Many nature trail guides describe features in the parks and are particularly useful for class field trips. To arrange field trips to parks, teachers must contact the appropriate park superintendent. Further assistance may be obtained from the regional or district office. A fold-out map, "Ontario Provincial Parks", indicates the types and locations of provincial parks and the recreational facilities available at each.

MINISTRY OF TRANSPORTATION AND COMMUNICATIONS

The Ministry of Transportation and Communications is responsible for providing the people of Ontario with an integrated transportation and communication program.

The program includes the construction and maintenance of roads and bridges; commuter rail and bus services; air services and airport construction and maintenance; ferry services; subway construction; the purchase of capital assets and operating expenditure subsidies for public transit; the licensing and control of drivers and vehicles; and developments associated with radio and television broadcasting, telephone and telegraph services and the use of communication satellites.

The Ministry is determined that transportation strategies can liberate human movement to a more natural and harmonious level of expression, without imposing the penalties of environmental destruction and decay.

It therefore looks into ways of improving the safety, efficiency, convenience and environmental effects of the province's transportation systems from the sociological, behavioural, operational and traffic management aspects. For example: the effects of systems on communities are studied. Teams of specialists consider conservation of landscape, forests, waterways and communities, assuring that, while transportation facilities must be constructed where needed, they will be planned and built with the least possible disruption to people and the balance of nature.

In addition, a team of psychologists, engineers and statisticians carry out experimental work aimed at improving driver, vehicle and road safety; and services such as the energy conservation program currently underway for the Ministry of Energy are also provided for other government agencies.

Publications and media material suitable for environmental education are listed in the Resources Guide.

Ontario